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PICTURED ABOVE IN THEIR GREENHOUSES ARE A FEW OF THE MANY NEW ENGLAND GROWERS WHO WERE AMONG THE FIRST TO RECOGNIZE THE SUPERIORITY OF VAUGHAN'S ACE LILIES.

Vaughan's BOOK FOR FLORISTS *Autumn* 1958

601 W. JACKSON BLVD., CHICAGO 6 • 85 WHITE ST., NEW YORK 13

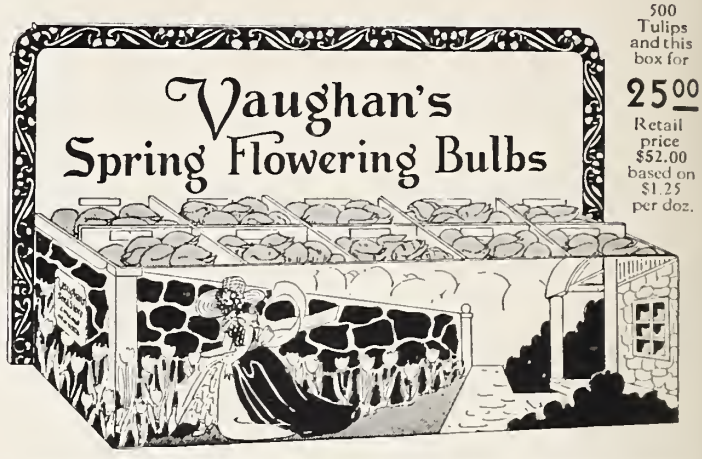
Double Your Money on Tulips Sold from this Attractive Display

BEST selling items on the home garden list for fall planting are spring flowering bulbs. They provide most garden color in the first two months of spring. Tall, late flowering tulips give one of the finest displays of the garden year. Years of experience have proved our attractive display box to be the most economical way to offer your customers a varied collection of these outstanding flowers.

Vaughan's ten-compartment display box, staunchly made of 100 point cardboard printed in brilliant colors, will hold 500 bulbs, 50 each of ten varieties.

This beautiful display box, with 500 Top Size tulips, 50 each of ten named varieties, **Including Red Emperor** separately bagged, $25.00

We use TOP SIZE BULBS, the size which sells best over the counter. The 10 named varieties (50 each) of good named varieties. The price to you is $25.00 for the box and 500 bulbs of 10 named varieties. You retail them for $1.25 a dozen, or more, because the selection is worth more, doubling your money. Each variety is packed 50 in a bag labeled with its name. You empty one bag into a compartment, and refill in the same manner when it is empty. This prevents mixtures and loss of bulbs. After the display box and first collection have been bought, refill orders will be accepted for $24.00 for 500 bulbs, 50 each of 10 varieties, in bags of 50; or $46.00 for 1,000 bulbs, 100 each of ten varieties. Colored pictures are provided to paste on the compartments. This box keeps the bulbs in the open air, thus preventing bacterial rot which comes when they are sealed in cartons. The named varieties are kept apart without mixing, which adds greatly to their value.



Tulip Display Box Holding 500 Bulbs, 50 each of 10 Named Varieties

Counter Space Needed, 13x29 Inches.

The display box with its garden design printed in brilliant colors occupies very little space on your counter. It is an ornament to any store. It solves the problem of offering bulbs for sale in the retail shop, without danger of mixing varieties, and losing stock.

336 MISCELLANEOUS BULBS AND DISPLAY BOX FOR $25.00

ASSORTMENT INCLUDES

96 King Alfred Narcissi, R'ds, retails at $1.75 per doz. $14.00
96 Hyacinths, 24 each Blue, White, Light Pink, Dark Pink, retails at $2.50 per doz., 16-17 ctm..$20.00
96 Crocus, Mixed, retails at 75c per doz., 8-9 ctm..$ 6.00
50 Darwin Tulips 12 ctm, retails at $1.25 per doz.....$ 5.00
Retail Price.....$45.00
Profit.....$20.00
Refills without box $24.00

We will actually ship to you 100 each King Alfred, Hyacinths and Crocus and 50 Mixed Tulips to allow for shrinkage in selling

Colorful Paper White Display

Paper White Display Box, 14½x19½ inches, Holding 100 Illustrated Bags

Vaughan's Paper White Display Box as Illustrated, Together With

100 Bags, each holding 3 bulbs, 13-14 ctm., (300 bulbs) **$22.00**

100 Bags, each holding 3 bulbs, 14-15 ctm., (300 bulbs) **$25.00**

EVERY customer who enters your store is a prospect for a sale of Paper White narcissus bulbs. Here is a carefully designed, thoroughly tested method of displaying and selling them at a minimum of trouble and expense and the maximum of profit.

Florists cannot afford to sell inferior bulbs. Vaughan's bulbs of 13-14 ctm., circumference and up are of flowering size and highest quality. Three bulbs are enclosed in an illustrated bag which prevents picking over of the individual bulbs, injurious handling and resultant waste. Every bulb we ship you can be sold at a profit.

Our Paper White display box, of white covered corrugated board—printed in attractive colors, will harmonize with your store display and sell its contents. It occupies 14½ by 19 inches space. Suggested retail price, 45c per bag on 13-14 ctm. and 50c per bag on 14-15 ctm.

To VAUGHAN'S SEED COMPANY

601 W. Jackson Blvd., Chicago 6, Ill. — Phone FRanklin 2-7560

85 White St., New York 13, N. Y. — Phone BArclay 7-4900

Date.....19.....

NAME.....

PLEASE USE SAME NAME ON ALL ORDERS TO AVOID CONFUSION IN OUR FILES

Street, P. O. Box or Rural Delivery.....

Post Office.....State.....

(City Zone No.)

Express or Freight Office { If different from P. O. } .....Forward Goods by.....

(Parcel Post, Express, Freight, Truck)

(SEND NO CURRENCY UNLESS REGISTERED)

Make Money Orders or Checks Payable to Vaughan's Seed Company

AMOUNT ENCLOSED $..... When to Ship.....Always write letters on a separate sheet from your order.

☐ **CHARGE.** Check if you have a charge account. If you wish to have this purchase charged and no account has been arranged, send 3 trade references with addresses and allow about one week to check them.

NEW DISCOUNTS ON FLOWER AND VEGETABLE SEEDS	
CASH — UNDER $5.00	net
$ 5.00 to $ 25.00,	5%
25.00 to 100.00,	8%
100.00 to 150.00,	10%
150.00 to 200.00,	12%
200.00 to 300.00,	15%
CHARGE — UNDER $5.00	net
$ 5.00 to $ 25.00,	3%
25.00 to 100.00,	6%
100.00 to 150.00,	8%
150.00 to 200.00,	10%
200.00 to 300.00,	13%

If paid within ten (10) days of invoice date, deduct an additional 2%.

PLEASE: *Make Your Order $5.00 Minimum.* We are anxious to accommodate our customers, but must face the fact that the cost of filling a wholesale order less than $5.00 makes the transaction a loss for us. We believe that in most cases you can think of something else you need, or will soon need, to bring your order up to $5.00 minimum. It will save money for you, as well as us, by reducing transportation cost, postage, and time.

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it. ☞ In making your order, please give the sizes and prices to avoid delay and errors.		PRICE DOLS.	PRICE CTS.
	To save delay, may we substitute if necessary Yes ☐ No ☐			
	If you need additional order blanks, please check here ☐			
	Carried Forward.	lbs.	$	

(OVER)

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	PRICE Dols.	Cts.
	Brought Forward		

APPROXIMATE DOMESTIC PARCEL POST RATES
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1953.

	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City	18c	1.5c
First and Second Zone within 150 miles of either	23c	4c
Third Zone within 150 to 300 miles	23c	5c
Fourth Zone within 300 to 600 miles	24c	7c
Fifth Zone within 600 to 1000 miles	26c	10c
Sixth Zone within 1000 to 1400 miles	28c	12c
Seventh Zone within 1400 to 1800 miles	30c	15c
Eighth Zone all over 1800 miles	32c	18c

A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.

Total Weight,		
Amount for Postage		
Grand Total	$	

Filled by........ Checked by........ Packed by........

Shipped by........ Style of Package........

Date........ Book........ Weight........

Forcing Fall Bulbs

TULIPS

Upon receiving either precooled or regular Tulip bulbs, plant them at once and grow them as close to 48° F temperature as possible until the shoots are about 2 to 3 inches high. When the plants are **at least** 2 to 3 inches high they may be moved to the greenhouse bench. When the shoots start to emerge, it is wise to spray all flats or pots with a solution of fermate made in the proportion of 1 pound of fermate to 100 gallons of water. This spray will control and prevent the spread of fungous diseases including Botrytis, or tulip "Fire".

Spotting of Tulip flowers or Botrytis often occurs in late spring when the atmosphere in the greenhouses is very damp. Ventilate fully in order to avoid high temperatures and excessive moisture. Water very carefully and **never over the tops of the plants.**

If the temperature control has been followed as above, the best and earliest bloom will result without growing at above 60° F. Bulb seasons vary as to their early forcing qualities, and it is necessary to play a little on the late side by a week or so rather than risk the entire crop. 60° F means Day and Night temperatures, and we recommend growing the first two weeks in the bench at 55° F. We have seen bulbs grown at 60° F come perfectly one week after those grown at 67° F had white tip and blasted buds. We recommend the following varieties for early bloom in order of benching and earliness. Approximate dates follow.

PRECOOLED TULIPS

	Benching	Blooming
Albino	December S	January S
Golden Harvest	December 1S	January 15
Red Pitt and Wm. Pitt	December 20	January 20
Rose Copeland and Wm. Copeland	December 10	January 10
Paul Richter and desire	December 20	January 20
Bartigon	December 26	February S

REGULAR TULIPS

Dutch Stock	Benching	Blooming
Albino	December 14	January 21
Golden Harvest	December 21	February 1
Red Pitt and Wm. Pitt	January 1	February 10
Rose Copeland and Wm. Copeland	December 21	February 1
Paul Richter	January 1	February 10
Bartigon	January 1S	February 20

Varieties may be held for later blooming by continuing the growing at 48° F until the plants are almost ready to bloom in storage or by growing cooler than 60° F on the bench. Tulips should be planted in well drained soil. Any well balanced fertilizer improves the color of foliage and flowers.

If it is impossible to plant bulbs at once on their arrival, at least unpack and store them as close to 48° F as possible. Nothing will spoil them faster than temperatures above 70° F.

If you are going to grow them in a cold frame, pick a site with good drainage and water with cold water thoroughly before placing the flats or pots. A shady spot is preferable so that the sun does not keep the soil temperature high during possible warm Fall days. Cover the flats or pots with 3 or 4 inches of sand so that sprouts will not be broken easily when the time comes for moving into the greenhouse. Where winters are severe, put on a heavy layer of leaves or straw just before hard freezes are apt to come. Spray the tops of pots or flats with parzate mixture or dust with fermate mixture on bringing into the greenhouse. Grow day and night at 60° F or below; or 55° F at night and 63° F during the day. Extreme heat in the greenhouses, any temperature from 67° F and up, may cause buds to blast or flower tips to turn white, and have poor color. If the plants become dry at any stage of growth bud blast will result.

We strongly recommend treating all tulip bulbs before planting by dusting with Spergon at the approximate rate of 1 lb. for each 3000 bulbs. Spergon is obtainable in units of 1 oz., 1 lb., 10 lbs. and 100 lbs. This treatment results in giving more even growth of plants by better rooting conditions.

Do not use Cuprinoled flats. It definetely repulses tulip roots.

SEE NEXT PAGE ☞

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Forcing Fall Bulbs--Continued

IRIS

Early Wedgewood bulbs handled by us have had the proper curing at increased temperature levels right after harvest. This treatment makes the bulbs bloom 2 to 3 weeks earlier than normal. While precooling in addition makes them bloom 6 weeks earlier than normal. Plant precooled bulbs at once under cool soil conditions. Plant Iris in deep flats or benches so the roots have plenty of room; 3 x 3 inches allowing a minimum of 9 sq. inches.

The best soil for Iris is low to average fertility and not fertilized. Excessive nitrogen delays flowering and produces weak stems. The plants require good light conditions, no shading, and must be kept well ventilated and watered at all times. If the flats have to be moved it is imperative that they are well watered.

Flower buds are not initiated until the plant is approximately 2½ inches high. Only large size bulbs, 10 ctm. & up, should be used for early forcing. Temperature during forcing should not be higher than 60° at night.

Upon receipt of normal dry storaged Iris Wedgewood 10 ctm. and up you should plant them and grow at 55°F. not higher, in the bench or in storage, 48°F. would be acceptable but delays growth about one week. After the plants are 1½ inches high they should be definitely moved to the greenhouse and the day or night temperature should never be allowed to go above 60°F. Iris need lots of water and cannot withstand dry soil conditions. Plant the bulbs shallow in deep flats. Late varieties or small sized Iris bulbs should be grown more slowly at about 45° to 50°F. until about two weeks before blooming time when the temperature may be raised to 60°F. days and 55°F. nights. The latest storage experiments apparently show that 8-10 weeks at 48 degrees is the best precooling period for late varieties—White Excelsior, Golden Harvest, Van Vliet, Imperator, Prof. Blau. These varieties do not respond in the Wedgewood precooling period of 4 to 6 weeks at 48°.

NARCISSUS KING ALFRED

Plant all Narcissus bulbs as soon as received. Bulbs should be grown at 48° F until the shoots are 2 to 3 inches long at least. It does not hurt them to be left in much longer. Precooled King Alfred may be put on the bench as soon as they are 3 inches long. Grow at 60° F for three weeks and finish at 65° F. Narcissi like well drained soil, but water when heavy foliage growth is in crop. November 28 should be about the proper date to set precooled stock on the bench from the bulb cellar or cold frame. Regular stock of King Alfred should follow 2 to 3 weeks later, continuing with other varieties as their foliage indicates on forcing types.

We recommend treating all hardy Narcissus such as King Alfred and especially the Bicolors, by dusting Tersan or Arasan on the bulbs at approximate rate of 1 lb. per 2500 bulbs for the prevention of basal rot in Narcissus, and for more even plant growth. Tersan or Arasan is obtainable in units of 8 oz., 4 lbs., 25 lbs. and 100 lbs.

HYACINTHS

Unpack Hyacinths in trays at once and store dry in well-ventilated place—55° F is best.

For February flowering store at 60°-65° F and bulbs should not be planted until middle of October.

For later plantings up to January bulbs should be stored in trays in a dry warm place at a temperature of 70° but not higher.

Hyacinths if not planted immediately should be stored at 70° F in a dry place. Delayed planting is permissible for getting quality blooms late. Grow at 50° F in storage until the flower bud is entirely out of bulb at which time transfer to greenhouse for growing on gradually, increasing the temperature up to 70° F over a period of two weeks.

CROFT LILY FORCING

The Croft lily bulbs which we ship are precooled and should be planted immediately on arrival, with exception of some Croft Lilies we ship to the coastal areas of Washington, Oregon, and California where some growers pot them for frame growing immediately after the bulbs have been harvested. Where bulbs are not precooled they require about 180 days of growing to bloom them for Easter. Pot in a well drained soil mixture and grow at 60° temperature nights and days for blooming approximately in 125 days. In the South only 110 days are required.

It is usually easier, and cheaper, to hold a plant back by running temperatures cool the last two weeks than to run the risk and expense of having to use high temperatures and the spoilage envolved due to late timing.

Lilies keep well in cool temperatures as long as 2 to 3 weeks. By growing them at a steady 60 degrees they will progress rapidly without loss of buds.

After receiving bulbs from us figure the number of days you have from potting to the time you wish to sell. You will find more than enough time to make Easter.

Buds should be about an inch long 6 weeks before Easter. If your plants show longer buds than this 6 weeks before you wish to sell them, drop the temperature slowly, as a sudden change might check them, and make them very slow to respond to temperature later. If the buds are not quite visible raise the temperature to between 60 and 75 degrees day and night. At 75 degrees they will come into bloom from the bud stage being just visible in about 4 weeks. One can judge from week to week the progress of growth, and consequently how to regulate the temperatures during the last few weeks. Flower buds should be turned down or turning down at least 3 weeks before Easter. Gradual changes are the best and safest way to handle the crop. Water more frequently if temperatures are raised and never grow at above 75 degrees during the days. Higher temperatures than this only makes the plant respire faster, stretch more but bloom no sooner. Often higher temperatures cause loss of foliage and the blasting of buds.

HOW TO GROW SHORT AND EVEN LILIES

1. Bright houses are of great help. Every florist knows that shading will stretch plants. Therefore, have clean glass and give the plants enough room as they develop. Crowding will shade and stretch plants so avoid crowding.

2. Water wisely! Too much will promote soft tall growth, too little and bud blast will result. Don't over water and as precaution from root rot trouble use a dip of 2½ oz. Terrachlor and 2½ oz. Fermate in 10 gallons water for 15 minutes and plant.

3. Plant the bulbs exactly the same in all pots. 1 inch from the bottom of a 5 or 6 inch pot is a good depth. Easter Lilies are stem rooters and feeders particularly. Fill each pot to the same height with dirt. Thus later when the pot is watered and filled say with ¾" of water each plant will be receiving the same quantity of water.

4. Excessive nitrogen in the high-nitrogen series induces the development of short plants with dark green leaves. Low nitrogen induces tall plants with light green leaves. Low nitrogen plants will be 50 per cent taller than high-nitrogen plants. High pH tends to increase plant height at high nitrogen and decrease height at low nitrogen. In general, high pH helps to produce a more desirable type of plant.

WHERE LEAF SPOT HAS BEEN A PROBLEM

Keep the soil pH as close to 6.5-7 as possible. Usually leaf spot occurs with acid soil conditions tying up nitrogen. Add Limestone to pots and use sodium nitrate, 2 lbs. in 100 gallons of water. Water every 10 days with this solution at night. Do not use this solution when pots are abnormally dry or burning might occur. Use no other fertilizer. Hydrated Lime may be used in place of ground limestone but it is more subject to burning and should be used more sparingly. When mixing original potting soil the addition of 6 ounces of Dried blood to 3 bu. of soil helped avoid leaf spot at Penn. State.

ERABU

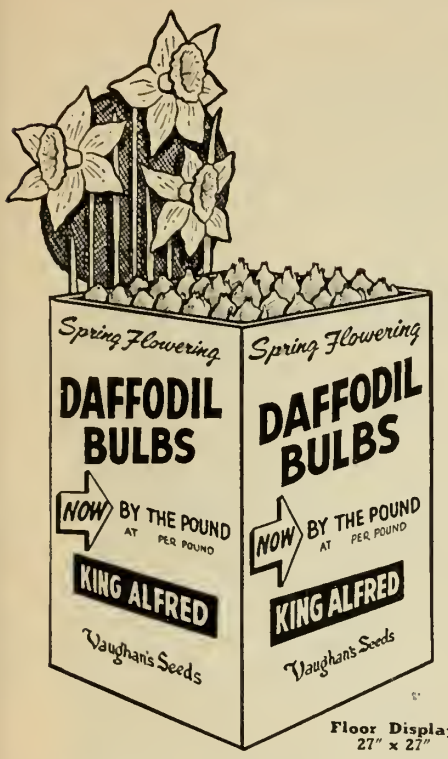
The most reasonable priced lily for cut flowers. End of September planting at 60 degrees will flower end of January. Successive plantings through the winter will furnish spring and summer cut flowers.

GIGANTEUM

Superseded by the Croft lily for Easter pot plants. Fine for cut flowers for summer.

ACE LILY

Culture same as Croft but require approximately two weeks longer to finish. Size for size will produce more flowers than Croft. The plants are slightly smaller and require less space on the bench. Increasing demand each year utilizes entire supply.



Floor Display 27" x 27"

KING ALFRED NARCISSUS

Increase Sales and Profits—Sell by the Pound!

The finest Narcissus bulbs in the world, grown on our Pacific Coast, can be sold with a saving to your customer of 25%, by selling them IN BULK.

All sizes of these bulbs grow together and when dug are mixed. By eliminating the work of separating and grading them a big saving can be made. This saving can be passed on to your customers.

Bulbs of all sizes, mixed together as they were when dug, are packed in 5 lb. polyethelene bags, which permit the buyer to see just what he is getting, and at the same time keep the bulbs in the best condition.

A Giant floor display case measuring 27" square by 36" in height is furnished free with each order for 20 5-lb. packages, (100 lbs.) for **$22.00.**

KING ALFRED NARCISSUS

Fine Stock—Field Run—From Top Quality Growers

Suggested selling price, 35c per lb., 5 lb. bag for $1.60.

	100 lbs.
Selling price	**$35.00**
Your cost	**22.00**
YOUR PROFIT	**$13.00**

White Star Flowers for Christmas Bloom

No Soil — No Fertilizer — Just Water

Paper White Narcissi, in Blue, Pink, Ivory Impact Styrene plastic bowls bearing fragrant white star flowers, need no soil, no fertilizer, only water to bloom in 4 weeks.

These are sure-sellers on any counter. Each attractive plastic container is planted with four 13-15 ctm., bulbs, needing only water to start growth. If water is kept up to the level line, and container is placed in a sunny window after top growth begins, each stem will bear a cluster of beautiful flowers. Packed 12 to attractive display carton. Easy growing directions on every package.

NOVEMBER 1st SHIPMENT FROM CHICAGO

12 Per Display Case	**$ 7.20**
4 Display Cases per Master Case	**28.00**

Retails at $1.00 each—Selling

Total per case	**$12.00**
Cost	**7.20**
PROFIT	**$4.80**

COUNTER SPACE 8½" x 10½"

Grow Your Own Cactus Plants!

Display Case of 24, $11.96 prepaid

Seed, growing medium, miniature greenhouse and 100 seeds of 10 varieties of Cactus and succulant plants are included in this novel package which provides the thrill of growing plants with a minimum of care. It will appeal to both novices and experienced gardeners.

Set the display case up in your store and start one growing on the display shelf. You may count upon a quick sell-out, at the retail price of 79 cents each.

Sales per case	**$18.96**
Cost to You	**11.96**
Your Profit	**$ 7.00**

Vaughan's Tulips

The Cream of the Larger Growers Crops

ALL BULB PRICES SUBJECT TO CHANGE WITHOUT NOTICE

DARWIN

	Top Size 12 ctm. and up		First Size 11-12 ctms.	
	100	1000	100	1000
Afterglow. Soft apricot orange, tinged pink fine color for outdoor cut flowers	$5.00	$45.00	$4.40	$39.00
All Bright. Carmine Red. Improved Bartigon Sport. Fine for pots. Bring in from Jan. 15th	5.00	45.00	4.40	39.00
American Flag. Bright Red, striped and Flaked White	6.50	59.00	6.00	52.00
Aristocrat. Carmine rose edged white. For cutflowers. Bring in from Jan. 15th.	5.00	45.00	4.40	39.00
Bartigan. Fiery crimson. For pots or cutflowers. Bring in from Jan. 15th	5.00	45.00	4.40	39.00
Campfire. Deep carmine red. Improved Bartigon	5.00	45.00	4.40	39.00
Chas. Needham. Scarlet red. Good for late cutflowers	6.25	56.00	5.50	51.00
City of Haarlem. Cardinal red. For cutflowers. Bring in Jan. 10th	6.25	56.00	5.50	51.00
Clara Butt. Soft salmon-pink. Use for outdoor cutflowers	5.00	45.00	4.40	39.00
Cordel Hull. Red flamed white. Excellent for pots. Bring in after Feb. 25th	5.00	45.00	4.40	39.00
Desiree. Vermilion red. Very early forcing tulip	5.40	47.00	4.50	40.00
Eclipse. Glistening blood Red	6.00	53.00	5.40	47.00
Farncambe Sanders. Rich brilliant scarlet. Use for outdoor flowers	5.00	45.00	4.40	39.00
Faust. Blackish-Violet. Bring in from Feb. 1	6.00	53.00	5.40	47.00
Giant. Purplish Violet	5.00	45.00	4.40	39.00
Glacier. Pure White for outdoor cutflowers	6.00	53.00	5.40	47.00
Golden Age. Deep Golden Yellow. Good for pots and cutflowers. Bring in from Jan. 25	5.00	45.00	4.40	39.00
Insurpassable. Lilac. Good for pots and cutflowers can bring in from Jan. 5th	5.00	45.00	4.40	39.00
La Tulipe Noire. Finest black. Garden Variety	5.00	45.00	4.40	39.00
Mamassa. New bright yellow	5.00	45.00	4.40	39.00

DARWIN TULIPS—Continued

	Top Size 12 ctm. and up		First Size 11-12 ctms.	
	100	1000	100	1000
Montgomery. White with carmine red edge sport of Bartigon	$5.40	$47.00	$4.40	$39.00
Niphetos. Lemon yellow. Good for cutflowers. Bring in after Jan. 25th	5.00	45.00	4.40	39.00
Paul Richter. Early Red very fine for Valentine's day without precooling	5.00	45.00	4.40	39.00
Philip Snawdan. Deep pink. A Bartigon Sport. Good for pots	5.00	45.00	4.40	39.00
Pride of Haarlem. Carmine rose for outdoor cutflowers	5.00	45.00	4.40	39.00
Pride of Zwanenburg. Salmon rose. Tall good for outdoor cutflowers	6.00	53.00	5.40	47.00
Princess Elizabeth. Rose pink with silvery margin. Good for cutflowers. Bring in from Jan. 15th	5.00	45.00	4.40	39.00
Prunus. Salmon pink. Best pink Bartigon Sport for pots	5.00	45.00	4.40	39.00
Queen of the Night. Dark velvet-maroon for cutflowers. Bring in after Jan. 20th.	4.50	41.00	3.80	34.00
Red Pitt. Pure red. Fine forcer	5.00	45.00	4.40	39.00
Rose Copeland. Lilac-rose for pots and cutflowers. Bring in after Dec. 21st.	4.50	41.00	3.80	34.00
Scotch Lassie. Deep lavender. For outside planting	5.00	45.00	4.40	39.00
The Bishop. Violet blue. For pans and cutflowers. Bring in after Jan. 25th	5.00	45.00	4.40	39.00
Utopia. Brilliant red. For pots and cutflowers. Bring in from Jan. 7th	5.00	45.00	4.40	39.00
Wm. Copeland. Lavender. Good for pans and cutflowers. Bring in from Dec. 21st	4.50	41.00	3.80	34.00
William Pitt. Brilliant carmine. Still a good variety for pots and cutflowers. Bring in from Dec. 31st	5.00	45.00	4.40	39.00
Yellow Giant. Golden yellow. Garden Variety	4.50	41.00	3.80	34.00
Zwanenburg. Pure white, black anthers	6.00	53.00	5.40	47.00
Finest Mixed. A well balanced mixture	4.50	41.00	3.80	34.00

250 of One Variety at 1000 Price — 100 Each of 5 Varieties at 1000 Price

Cottage Tulips

	Top Size 12 ctm. and up 100	Top Size 12 ctm. and up 1000	First Size 11-12 ctms. 100	First Size 11-12 ctms. 1000
Advance. Fiery Red, early, very large	$5.00	$45.00	$4.40	$39.00
Albino. Pure white. The best white for pans and cutflowers. Start to bring in Dec. 14th. Be sure to remove side shoots early	5.00	45.00	4.40	39.00
Belle Jaune. Deep Yellow	5.00	45.00	4.40	39.00
Carrara. Pure White. Yellow anthers. For pots and cutflowers. Bring in after Jan. 15th	5.00	45.00	4.40	39.00
Chappaqua. Soft violet rose	5.00	45.00	4.40	39.00
Golden Harvest. Soft lemon yellow. One of the best yellows for pots and cutflowers. Bring in after Dec. 21st.	4.50	41.00	3.80	34.00
Golden Measure. Deep canary yellow	4.50	41.00	3.80	34.00
Grenadier. Bright Orange Red	5.00	45.00	4.40	39.00
Inglescombe Yellow. Canary Yellow. Good for cutflowers. Bring in about February 1st	4.50	41.00	3.80	34.00
Marjorie Bowen. Buff and salmon. Tall, good for outdoor cutflowers	5.00	45.00	4.40	39.00
Mongolia. Deep yellow, egg shaped flowers—gigantic size	7.00	60.00	6.00	50.00
Mother's Day. Lemon yellow supersedes Moonlight. Bring in after February 1st. Excellent for outdoor cutflowers	5.00	45.00	4.40	39.00
Mount Erebus. (White City) Pure white. Large flowers. Tall stem. Very fine for outdoor cutflowers	6.00	53.00	5.40	47.00
Mrs. J. T. Scheepers. Pure yellow. Can be used for either Indoor or Outdoor cutflowers. Bring in after February 15th	5.00	45.00	4.40	39.00
Mrs. Moon. Pure Yellow	6.00	53.00	5.40	47.00
Northern Queen. Pure Pink and White	5.00	45.00	4.40	39.00
Ossi Oswalda. Creamy white, flushed pink. Can be used for early flowering after February 20th	5.00	45.00	4.40	39.00
Princess Margaret Rose. Yellow edged and flushed orange red	4.50	41.00	3.80	34.00
Themis. Pure white. Very good for pots. Bring in after Jan. 10th	5.00	45.00	4.40	39.00
Fine Mixture. Cottage	4.50	41.00	3.80	34.00

Breeder Tulips

Used mostly for outdoor planting. They grow tall so can be used for cutflowers.

	Top Size 12 ctm. and up 100	Top Size 12 ctm. and up 1000	First Size 11-12 ctms. 100	First Size 11-12 ctms. 1000
Bacchus. Dark violet blue	$6.00	$53.00	$5.40	$47.00
Cherbourg. Deep orange-yellow	6.00	53.00	5.40	47.00
Dillenburg. Salmon-orange	5.00	45.00	4.40	39.00
Don Pedro. Beautiful shade of Coffee Brown	6.00	53.00	5.40	47.00
Geo. Grappe. Lavender Mauve	6.00	53.00	5.40	47.00
Indian Chief. Mahogany red	6.00	53.00	5.40	47.00
Louis XIV. Rich purple with golden bronze	6.50	59.00	5.80	51.00
Prince of Orange. Orange-scarlet	5.00	45.00	4.50	41.00
Mixed Breeders	5.00	45.00	4.40	39.00

Triumph

Being a cross between Single Early Tulip and the Darwins, they can be forced very easily.

	Top Size 12 ctm. and up 100	Top Size 12 ctm. and up 1000	First Size 11-12 ctms. 100	First Size 11-12 ctms. 1000
Adorno. Salmon-orange, edged bronze-yellow	$5.00	$45.00	$4.40	$39.00
Alberio. Cherry-red edged yellow. Fine for pots. Bring in from Jan. 10th	5.00	45.00	4.40	39.00
Crater. Deep carmine-red. Good for pots or cutflowers. Bring in from Jan. 15th	5.00	45.00	4.40	39.00
Denbola. Deep red edged white. Use for pots or cutflowers. Bring in after January 15th	6.00	53.00	5.40	47.00
Edith Eddy. Soft Cerise, White edge	4.50	41.00	3.80	34.00
Elizabeth Evers. Deep pink. For either pots or cutflowers. Bring in from Jan. 20th	5.00	45.00	4.40	39.00
Elmus. Carmine-red edged white. Very fine for pots for Valentine and Easter sales. Bring in after Jan. 15th	5.00	45.00	4.40	39.00
Kansas. Snow white yellow anthers. For pots or cutflowers. Bring in after January 15th	5.00	45.00	4.40	39.00
Korneforus. Carmine-red. For pans or cutflowers, good keeper. Bring in from January 10th	4.50	41.00	3.80	34.00
Makassar. Dark Canary Yellow	6.00	53.00	5.25	47.00
Paris. Orange-red, edged Yellow	5.00	45.00	4.40	39.00
Pax (pure White)	4.50	41.00	3.80	34.00
Red Giant. Large scarlet. For cutflowers or pots. Bring in after Jan. 10th. Good for Easter sales	5.00	45.00	4.40	39.00
Rhineland. Yellow and Red	4.50	41.00	3.80	34.00
Telescapium. Violet-rose. For either pots or cutflowers. Bring in from January 10th	4.50	41.00	3.80	34.00
Winter Gold. (deep lemon yellow)	4.50	41.00	3.80	34.00
Mixed Varieties	4.50	41.00	3.80	34.00

Tulips Species

	Top Size 100	Top Size 1000	First Size 100	First Size 1000
Clusiana. Outer petals Cherry-red, inner petals white	$6.50	$59.00		
Fosteriana. White Emperor	20.00	180.00		
Fosteriana Red Emperor	6.50	59.00	5.80	51.00
Kaufmanniana. (The Water Lily). Creamy Yellow, outside shaded soft Red, inside deep Yellow	5.00	45.00		
Holland's Glory. (Cross between Red Emperor and Darwin.) Orange Scarlet and immense size	9.40	83.00		
Peacock Tulips. (Kaufmanniana and Greigi). Small, dwarf strain of very bright and gay color combinations with variegated foliage	8.00	74.00		

PARROT TULIPS

Parrot Tulips

	Top Size 12 ctm. and up 100	Top Size 12 ctm. and up 1000	First Size 11-12 ctms. 100	First Size 11-12 ctms. 1000
Black Parrot. Purplish-black	$5.00	$45.00	$4.40	$39.00
Blue Parrot. Petals bright purple blue. Sport of Darwin Blue Aimable, strong stem	4.50	41.00	3.80	34.00
Fantasy. Salmon pink with green markings	5.00	45.00	4.40	39.00
Orange Favorite. Deep orange shaded rose inside, deep orange, scarlet	5.00	45.00	4.40	39.00
Red Champion. Parrot of Darwin Bartigon, not quite so large as Fantasy, but borne on strong stem, deep red colored	6.00	53.00	5.40	47.00
Sunshine. Pure butter yellow. Parrot of Cottage Bouton d'Or	5.00	45.00	4.40	39.00
Therese. Fiery rose-scarlet. Sport of F. Sanders	6.00	53.00	5.40	47.00
Violet Queen. Sport from Opal Queen, violet	6.50	59.00	5.50	51.00

Double Late Tulips

	Top Size 12 ctm and up 100	Top Size 12 ctm and up 1000	First Size 11-12 ctms. 100	First Size 11-12 ctms. 1000
Excellent for pots. Use for late flowering.				
Coxa. Carmine-red. Vermilion edged, very small white border. Large (20 in.) flower. Bring in after Jan. 25th	$5.00	$45.00	$4.40	$39.00
Eros. (20 in.) The large double flowers are of a deep true pink with silvery high-lights. Its double flowers, borne on tall, strong stems, are compared to peonies by all who see them, but we do not know any peony which has its lovely coloring. If you force any do not bring in until after Feb. 15th	6.00	53.00	5.40	47.00

DOUBLE LATE TULIPS — Continued

	Top Size 12 ctm. and up 100	Top Size 12 ctm. and up 1000	First Size 11-12 ctms. 100	First Size 11-12 ctms. 1000
Livingstone. Bright red. Good for pots. Can start to force after Jan. 15th	$5.00	$45.00	$4.40	$39.00
Mount Tacomo. (24 in.) A magnificent giant double white Tulip which reminds one of a peony in full bloom. Bring in after Jan. 25th	6.00	53.00	5.40	47.00
Uncle Tom. Dark glittering red. Bring in after Jan. 20th	5.00	45.00	4.40	39.00
Mixture of best named vorieties. Our choice Double Late Tulips	5.00	45.00	4.40	39.00

Early Double Tulips

DOUBLE PINK

	Top Size 12 ctm. and up 100	Top Size 12 ctm. and up 1000	First Size 11-12 ctms. 100	First Size 11-12 ctms. 1000
Tulips marked* are Murillo tulip sports and can be brought in from Jan. 10th.				
★**Electra.** Beautiful dark-rose	$6.25	$56.00	$5.50	$49.00
★**Peoch blossam.** Bright pink	6.25	56.00	5.50	49.00
★**Triumphator.** Immense double pink, dark salmon, an excellent variety	6.25	56.00	5.50	49.00

DOUBLE RED

Donte. Geranium red. Bring in Dec. 20th	7.00	63.00	6.25	56.00
Scarlet Cardinal. For pots. Bring in from December 20th	7.00	63.00	6.25	56.00
Vuurbaak. Bright scarlet with orange flush. Use for late pots. Bring in slowly from February 10th	6.25	56.00	5.50	49.00

DOUBLE YELLOW

Couronne d'Or. (Crown of Gold). Beautiful rich golden yellow; marked with orange red. Excellent for pots. Start and bring in from December 30th	6.25	56.00	5.50	49.00
★**Mr. Vander Hoeff.** Pure yellow	6.25	56.00	5.50	49.00

DOUBLE WHITE

Boule de Neige. large pure white. (Snowball)	7.00	63.00	6.25	56.00
Murillo. White, shading to delicate Pink	6.25	56.00	5.50	49.00
★**Schoonoord.** Pure white	7.00	63.00	6.25	56.00

DOUBLE STRIPED OR OTHERWISE COLORED

★**Marechal Niel.** Golden yellow flamed salmon orange	6.25	56.00	5.50	49.00
★**Oronge Nassou.** Deep orange red	6.25	56.00	5.50	49.00
Toreodor. Scarlet-edged, buff-yellow. For pots. You can bring in from Jan. 5th	7.50	69.00	7.00	63.00
Superfine Mixed. All colors	5.50	49.00	4.80	43.00

DOUBLE LATE TULIPS

KEIZERKROON

Single Early Tulips

SINGLE SCARLET ORANGE AND CRIMSON

	Top Size 12 ctm. and up 100	Top Size 12 ctm. and up 1000	First Size 11-12 ctms. 100	First Size 11-12 ctms. 1000
Couleur Cardinal. Brilliant crimson; fine bedder	$7.00	$63.00	$6.25	$56.00
Prince Carnaval. Red flamed yellow. Bring in Jan. 5th	6.25	56.00	5.50	49.00
Prince of Austria. Orange-vermilion; large. Bring in Jan. 5th	6.25	56.00	5.50	49.00
Vermilion Brilliant. Dazzling vermilion-scarlet	6.25	56.00	5.50	49.00

SINGLE WHITE

White Hawk. White; very fine	7.00	63.00	5.50	49.00

SINGLE PINK AND ROSE

Ibis. Dark brilliant pink	6.25	56.00	5.50	49.00
Pink Beauty. Bright rose-pink shading to blush-white. Use only for Easter pots.	7.00	63.00	6.25	56.00

SINGLE STRIPED, MARGINED

General de Wet. Golden, flushed and stippled fiery-orange-scarlet	6.25	56.00	5.50	49.00
Keizerkroon. Red, with distinct wide golden border, one of the finest early tulips	6.25	56.00	5.50	49.00

SINGLE YELLOW

Rising Sun. Golden yellow	6.25	56.00	5.50	49.00
Yellow Prince. Golden yellow; fine forcer.	6.25	56.00	5.50	49.00
Superfine Mixed. All Colors	5.50	49.00	4.80	43.00

MENDEL TULIPS

Her Grace. Rosy pink. The best pink Mendel tulip in the market	5.00	45.00	4.40	39.00
Olaf. Scarlet	5.00	45.00	4.40	39.00
Orange Wonder. Very large bronzy orange—fine garden tulip	6.00	53.00	5.40	47.00
Van Der Eerden. Bright crimson red. For pots or cutflowers. Bring in after Jan. 5th	4.50	41.00	3.80	34.00

Lily Flowered Tulips

These are greatly improved and becoming more popular for outside beds and make very artistic cut flowers.

	12 ctm. and up 100	12 ctm. and up 1000
Marlette. Deep Satin Rose	5.00	45.00
Picotie. White edged Pink	5.00	45.00
Queen of Sheba. Glowing brownish Red, edged Orange	8.50	77.00
White Triumphitor. Pure white extra nice and large	5.00	45.00

Hyacinths

All January and February forcing should take place in darkness until the sprouts reach about 4 inches growth. Later in season the sprouts will have reached this height outside or in the bulb cellar and can therefore be placed directly on the bench in the greenhouse. If you wish Hyacinths for Easter or later keep bulbs in warm dry place and plant December to middle of January. Never bring in Hyacinths until buds are visible and Bulbs well rooted.

BLUE

Bismarck. Bright light blue. For early pots. Start to bring in December 22nd.

Delft's Blue. Porcelain.

Grand Maitre. Dark porcelain. Bring in after January 1st. This often "splits" sending up several shoots instead of one spike.

King Of The Blues. Dark Blue. Good for late pots. Start to bring in January 15th.

Myostis. Light blue. Bring in after January 1st.

Ostara. Clear blue. Bring in after December 22nd.

Perle Brilliant. Lavendar Blue.

Queen Of The Blues. Light, azure blue. Bring in after Jan. 18th.

WHITE

Carnegie. A fine late white.

Edelweiss. Pure white. Compact spike. Bring in after January 15th.

L'Innocence. Pure white, compact truss on short stem, fine for pots. Bring in December 22nd.

Queen Of The Whites. Pure White. Late.

RED AND ROSE

Anne Marie. New very early Pink.

Gertrude. Rose-pink. Bring in from January 1st.

Jan Bos. Scarlet. Bring in from December 22nd.

Lady Derby. Light Pink.

La Victoire. Red, good spike. Bring in from January 1st.

Marconi. Rose-pink. Start to bring in January 5th. Also good for late pots.

Pink Pearl. Clear pink. Bring in about December 22nd. One of the best pinks.

Queen of The Pinks. Rosy pink. Start to bring in January 15th. Excellent for late pots.

YELLOW

City of Haarlem. Golden yellow. Bring in after January 15th. Grows slowly to get color.

Your Choice of Above Varieties at Prices Below

(For Prepared add 20%)

	Doz.	100	1000
19 ctms. and up (Top Size)	$2.80	$19.00	$150.00
18-19 ctms. (First Size)	2.40	16.00	128.00
17-18 ctms. (Second Size)	2.00	14.00	110.00
16-17 ctms. (Third Size)	1.70	11.50	92.00
15-16 ctms. (Bedding Size)	1.50	10.00	80.00

HYACINTH "ROSALIE"

Early flowering plants which can be forced to flower early December. Can also be sold over counter to be grown in dishes for house culture in pebbles or peat, as early as French Roman with spikes much larger and stronger.

	Doz.	100	1000
14 ctms. and up	$3.50	$23.00	$190.00

French-Roman Hyacinths

These extremely early flowering hyacinths with their long spikes and well placed bells make excellent material for design work, when stock is scarce. Also very useful for retail cutflower work during the holidays. Grow in flats and use for cutting same as Paper Whites.

		Doz	100	1000
White.	13-14 ctms	$2.00	$14.00	$120.00
Blue.	13-14 ctms	1.40	9.00	80.00
Pink.	13-14 ctms	2.00	14.00	120.00

A FIELD OF CROFT LILIES

Vaughan's Easter Lilies

Overall quality of our lily bulbs has been improving consistently from year to year and our percentage of the total market has been increasing. In 1958 for the first time we supplied over 1 million Vaughan Croft and Ace lilies.

At the same time we have been able to concentrate our grower sources so that instead of more than 100 growers, from whom we had to buy in order to obtain enough bulbs for our customers, we now obtain more than 80% of our requirements from 4 contract growers who have the latest equipment for planting, treating, packing and in general caring for their bulbs in the right way and at the right time.

With their present equipment it is possible to dig and plant faster, making a more uniform forcing crop, for example.

Vaughan Ace lilies have a few more flowers than Croft, the foliage is a darker green and shorter, and the flowers face better. Generally speaking they require a little more heat to force on time. They can be grown closer together because of the shorter foliage. They are considerably more resistant to the root rots.

CROFT LILIES WEST COAST GROWN

Our bulbs will be generously graded with a double check of a minimum weight requirement per case. All Vaughan's bulbs will be from fields inspected by us twice during the growing season. Packing is done with our supervision and per our specifications.

Our bulbs will be cooled properly for easy forcing in 120 days at 60 degrees with maximum bud count.

CROFT

From Vaughan's Selected Contract Growers

Our representative field inspects both Spring and Fall and supervises packing and proper cold storaging on all west coast grown Croft Ace and Estate Lilies.

7-8 inch (250) Bulbs to case	Prices in September
8-9 inch (200) Bulbs to case	
9-10 inch (150) Bulbs to case	
10-11 inch (100) Bulbs to case	

ACE LILIES

7-8 inch, case lot (250 to case)	Our price is set in September
8-9 inch, case lot (200 to case)	
9-10 inch, case lot (150 to case)	

LILIUM ERABU

We can ship in September for early cut flowers. We have a very good strain.

	Per 100	Per Case
6-8 inch (400 per case)	$12.00	$37.50
7-9 inch (300 per case)	15.00	36.00
8-10 inch (225 per case)	18.00	36.00
9-10 inch (200 per case)	20.00	35.00

GEORGIA LILIES FLORIDA GROWN

Georgia lilies are growing in popularity every year because of their free-flowering qualities. Our stocks are clean, free from virus. They make fine cut flowers. Small sizes can be used, especially for spring flowering, planted in January or February. Some florists are using Georgias for Easter pot plants where a tall plant can be sold. They are very easy to force on time.

A very free flowering type. Georgia bulbs do not grow into single nose large sizes. It grows tall plants in the greenhouse and is fine for cut flowers. It has been relatively free from mosaic. Requires 15 days longer to bloom than Creoles. Grow cool.

	Per Case
6-7½ inch 300 bulbs per case	$55.00
7½-8 inch 250 bulbs per case	65.00
8-9 inch 200 bulbs per case	65.00

FLORIDII OR CREOLE LILIES GROWN IN FLORIDA

These are not as free flowering as the Georgia, but they can be flowered as early as December. They need lots of light and air in the north to prevent bud blast.

We buy from only the cleanest fields that we inspect at least twice during the growing season.

Give Creoles plenty of space and light. Lack of light has been found the cause of bud blasting and splitting in recent experiments.

6½-7 inch 300 bulbs per case	$55.00
7-8 inch 250 bulbs per case	65.00
8-9 inch 200 bulbs per case	65.00

Imported Japanese Lilies

LILIUM GIGANTEUM

Available November and up to July 1st out of storage.

	Per 100	Per Case
7 to 9-inch (300 to case)	$15.00	$37.50
8 to 10-inch (225 to case)	25.00	45.00
9 to 10-inch (200 to case)	30.00	48.00

VAUGHAN'S HARDY LILIES

The modern gardener has demanded a perennial plant that has beauty and quality for the garden. Vaughan's hardy lilies have been selected for this purpose, and their popularity has increased with each purchase.

LILIUM ALBUM (White Rubrum)

Large pure white blooms on stems 4 ft. tall. Stem rooted flowering August and September.

	100	1000
8-9 inch (200 per case)	$40.00	$75.00

AURATUM—GOLD-BANDED (December Delivery)

Flowers white, dotted crimson, with a clear golden band running through center of each petal; very fragrant. Stem rooted, flowering in August.

	Per 100	Per Case
8-9 inches (200 bulbs to case)	$22.00	$35.00
9-11 inches (125 bulbs to case)	30.00	35.00
11-13 inches (90 bulbs to case)		35.00

LILIUM CANDIDUM (MADONNA LILIES)

Shipment August 15, October 1st

Large clusters of fragrant white flowers on stems 3-4 feet tall. Base rooted flowering in June.

	100
18-20 ctm (7-8 inches)	$14.00
20-22 ctm (8-9 inches)	16.00
22-24 ctm (9-10 inches)	20.00
24-26 ctm (10-11 inches)	23.00
26-28 ctm (11-12 inches)	25.00

MID CENTURY HYBRID MIXTURE

A colorful American bred lily. Upright flowering and outward flowering; the colors range from yellow to deep orange, on sturdy stems 2-3 feet high. Stem rooted.

	100
6-7 inches	$30.00

SPECIOSUM RUBRUM MAGNIFICUM (December Delivery)

Flowers are of good substance; will last a long time and do not all open at once. The color is white with pink and crimson shading, spotted with red. 4 foot tall stem, rooted flowering in Aug.—Sept.

	Per 100	Per Case
7-9 inches (250 bulbs to case)	$16.00	$35.00
8-9 inches (200 bulbs to case)	20.00	35.00
9-10 inches (140 bulbs to case)	25.00	35.00
9-11 inches (125 bulbs to case)		35.00
11-13 inches (90 bulbs to case)		35.00

LILIUM REGALE

LILIUM PHILLIPENENSE

Flowers are white with darker shading on outside. Stems 18 inches tall. Stem rooted, flowering in September.

	100	1000
5-6 inch	$16.00	$140.00

LILIUM REGALE

The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. Stem rooted, flowering, 5 foot tall in July.

	Per 100	Per 1000
6-7 inch	$16.50	$150.00
7-8 inch	20.00	180.00
8-9 inch	22.00	200.00
9-10 inch	27.00	240.00

LILIUM TENUIFOLIUM (Coral Lily)

Bright red flower on stems 2-3 feet tall, stem rooted, flowering in June.

	100	1000
3-4 inch	$10.00	$ 90.00
4-5 inch	13.00	120.00

Cash In On Hardy Lily Demand

Case of 150 Bulbs $35.00

Fastest growing hobby flower in America today is the hardy Lily. Hundreds of magazine articles during the past year have created hundreds of thousands of prospects.

You can cash in on this tremendous potential demand with our modern hardy Lily merchandising unit. All you do is open the lid and you are in the Lily business. The case itself is the display, complete with gorgeous full color illustrations. There are no losses: bulbs remain until sold in storage peat.

Your customers will be delighted to sell themselves out of this compact, self-service unit.

LILY DISPLAY CASE CONTAINS

All Bulbs 8 to 9 inches in circumference

50 Regale	
25 Oronge Triumph	
25 Umbellatum	
25 Tigrinum	
25 Rubrum	
150 Totol	

Retoil ot 40c each
Selling Totol $60.00
Cost 35.00

Profit $25.00

F. O. B. CHICAGO

Shipment Oct. 10th.

MISCELLANEOUS BULBS

IRIS—Wedgewood

The best for early forcing. Standards blue, falls lighter blue.
EARLY FORCING: Vaughan's American grown bulbs have been heat cured, starting five days after harvest, for ten days at 90°, followed by two to three weeks storage at 65°-70°. This important care given these bulbs eliminates grassiness and promotes the earliest forcing. Bulbs are ready for precooling about September 1st, these are precooled for six weeks at 48°. Generally the 10 ctm. size is recommended for early forcing size. If you do not have facilities for this, we will precool them for you and ship about Oct. 15th.

	100	1000
PRECOOLED (Flower Christmas early January)		
American grown (ready Oct. 15) 9-10	$4.00	$35.00
10-11	6.50	55.00
REGULAR (Flower Mid January-February)		
8½-9 ctm. American	2.25	18.00
9-10 ctm.	3.50	30.00
10 ctm. & Up	6.00	50.00
HOLLAND GROWN (Flower February-March)		
8-9 ctm.	2.00	16.00
9-10 ctm.	2.50	22.00
10-12 ctm.	4.00	35.00

DUTCH IRIS—Available Sept. thru Nov.

	Holland Grown 100	1000
Prof. Blau. Midseason. Strong growing, dark blue.		
9-10 ctms.	$3.50	$30.00
10 ctm. and up	4.00	36.00
Blue Triumphator. Clear blue follows wedgewood in blooming time.		
6-7 ctms	3.00	25.00
7-8 ctms.	4.00	35.00
8-9 ctms.	5.00	40.00
Golden Harvest. Golden yellow.		
6-7 ctms.	1.50	10.00
7-8 ctms.	2.25	18.00
8-9 ctms.	3.00	25.00
H. C. Van Vliet. Deep blue.		
6-7 ctms.	1.50	10.00
7-8 ctms.	2.25	18.00
8-9 ctms.	3.00	25.00
Imperator. Deep blue.		
6-7 ctms.	1.50	10.00
7-8 ctms.	2.25	18.00
8-9 ctms.	3.00	25.00
White Excelsior. Pure white.		
6-7 ctms.	1.50	10.00
7-8 ctms.	2.25	18.00
8-9 ctms.	3.00	25.00
White Perfection. Pure white.		
6-7 ctms.	1.50	10.00
7-8 ctms.	2.25	18.00
8-9 ctms.	3.00	25.00
White Superior. Best white strong grower.		
6-7 ctms.	1.50	10.00
7-8 ctms.	2.25	18.00
8-9 ctms.	3.00	25.00
Yellow Queen. Standards, pale yellow. Falls golden yellow.		
6-7 ctms.	2.00	16.00
7-8 ctms.	3.00	25.00
8-9 ctms.	3.50	30.00
Mixed. Our selection.		
6-7 ctms.	1.50	10.00
7-8 ctms.	2.25	18.00
8-9 ctms.	3.00	25.00

CROCUS—Large Flowering

	8-9 Ctms. 100	1000	9-10 Ctms. 100	1000	10-11 Ctms. 100	1000
Blue and Purple and Striped	$2.00	$15.00	$2.25	$18.00	$2.50	$20.00
White	2.50	20.00	3.00	25.00	3.80	34.00
Yellow	1.80	14.00	2.00	16.00	2.25	18.00
Mixed	2.00	15.00	2.25	18.00	2.50	20.00

Fall Flowering Crocus

	100	1000
Crocus Zonatus. Top Size	$ 2.00	$ 15.00
	100	1000
Colchicum Autumnale. (Flower without planting). Mammoth size.	25.00	200.00

CHIONODOXA (Glory of the Snow)

These are among the most beautiful of our spring-flowering bulbs, coming into bloom soon after the snow is gone. Grows well in any good garden soil, and when once planted requires no further care. Looks best when planted in lines or clumps.
Lucillae. Flowers of a brilliant sky-blue color with white center. Per 100, **$1.40;** per 1,000, **$10.00.**
Sardensis. Deep blue. Per 100, **$1.40;** per 1,000, **$10.00.**

MUSCARI (Grape Hyacinth)

Make good pot plants, or some growers use for cut flowers. You can bring into greenhouses after January 15th.

	8-9 Ctms. 100	1000	9-10 Ctms. 100	1000
Armeniacum. Deep blue, large flowers	$1.50	$12.00	$2.00	$15.00
Early Giant. Improved Armeniacum. Larger bells and a little lighter in color. Blooms about 10 days earlier	1.50	12.00	2.00	15.00

Alba. Pure white. Tops size per 100, **$2.30;** 1000, **$20.00.**

ORNITHOGALUM

	Doz.	100	1000
Arabicum, Star of Bethlehem, white with black base. 2-2¼ inches	$1.00	$6.50	$55.00

SNOWDROPS

	100	1000
Single, 6 ctms., and up	$4.00	$32.00
Double, 5-6 ctms	4.50	40.00

SCILLAS

Campanulata Blue	$2.50	$18.00
Campanulata Rosea	2.50	18.00
Campanulata White	2.50	18.00
Siberica Blue	2.50	18.00
Spring Beauty, improved Siberica, brighter blue	3.40	30.00

Giant Hybrid Amaryllis

Famous Imported Holland Strain Amaryliss

Sensationally large well formed flowers. Brilliant colors. Greenhouse grown. True to color. These bulbs sell well, and we have many unsolicited testimonials from customers telling of the pleasure the flowers gave them.

Prepared Bulbs for Jan. Flowering Delivery about Nov. 15th

Order by color.	Each	Dozen	25
Red, Dark Red, Scarlet, Salmon, White, Orange, Striped. 30-32 ctms.	$3.00	$35.00	$70.00

HOLLAND (March Flowering)

	Each	Dozen	25
Red, Dark Red, Scarlet, Salmon, Orange, Striped. 30-32 ctms.	$2.50	$29.00	$60.00

SELECTED MIXED HYBRIDS (American Grown)

	100	1000
2¼-2½ inch	$15.00	$120.00
2½-2¾ inch	20.00	160.00
2¾-3 inch	30.00	260.00
3 inch and up	42.00	380.00

ANEMONES

One of the most showy flowers, good for cut flowers. They thrive in any soil except a very heavy clay. Set 10 inches apart, about ½ inch deep. Sunny location, plenty of moisture.

	100	1000
DeCaen, Single Poppy Type, mixed ¾-⅞ inch	$5.00	$45.00
DeCaen, ⅝-¾ inch, Mixed	3.50	28.00
DeCoen, Blue Poppy, bright blue, ⅝-¾ inch	4.00	35.00
DeCaen, His Excellency, bright scarlet, ⅝-¾ inch	4.00	35.00
DeCoen, The Bride, white ⅝-¾ inch	4.00	35.00
DeCaen, Sylphide, pink, ⅝-¾ inch	4.00	35.00

Anemone St. Brigid Iris Champions. The largest flowered strain of Anemones ever offered in the United States. Large, brilliant flowers in a wide variety of colors, 90% full double.

	American Grown 100	1000
⅝-¾ inch Bulbs	$4.00	$35.00
¾-⅞ inch Bulbs	5.30	48.00

BEGONIAS

Tuberous Rooted (December Delivery)

Cooper, Red, Crimson, Orange, Pink, Rose, Salmon, Scarlet, White, Yellow.

By Color or Mixed Double Camelia Flowered—Belgium Grown

	Doz.	100	1000
1¼-1½ inch	$0.75	$ 6.50	$ 55.00
1½-2 inch	1.25	9.00	82.00
2 inch and up	2.00	15.00	130.00

Carnation Flowered

	Doz.	100	1000
1½-2 inch	$1.60	$15.00	$120.00
2 inch and up	2.25	16.00	150.00

Pendula or Hanging Basket

	Doz.	100	1000
1½-2 inch	$1.75	$13.50	$120.00

Multiflora Maxima

	100	1000
(New cross between Camelia flowered and multiflora in 8 colors). Good Pot Plant for Easter or good bedding plant, 1 inch in diameter	$12.00	$100.00

American Grown Ruffled Camelia

"For The Very Best"

(January Delivery)	Doz.	100	1000
2 inch and up	$2.50	$20.00	$180.00

CALADIUMS

Vaughan's Special Fancy-Leaved

The following are 10 of the most popular varieties. Please send for descriptive folder in color for all other available varieties.

CANDIDUM. Fine Easter variety and very popular. Leaf snow-white with green veins and network; narrow green border. Ours is the true Candidum.

CRIMSON WAVE. New. Large, deep green leaf with crinkled, transparent crimson or scarlet center and many crimson spots toward edge. Strong grower.

ITACAPUS. Entire leaf dark red of a rust shade; narrow border with red dottings. One of the most beautiful Caladiums in existence. Known also as "John Hachmeister."

JOHN PEED. Shining bright metallic red center on moss-green ground. Very fine.

MRS. F. SANDER. Roundish, dark green leaf heavily blotched transparent deep rose.

MRS. W. B. HALDEMAN. Medium leaf of bright pink with narrow green edge. Very fine and popular.

POECILE ANGLAIS. Dwarf. Wavy leaf of deep crimson, bordered metallic green. One of the best.

RED FLARE. New. Similar to Scarlet Pimpernelle, but blotched with two shades of green. A fine pot-plant.

STOPLIGHT. Leaf shining crimson with bluish tints. The best red Caladium of all.

THOMAS TOMLINSON. Bright crimson center and blotches; narrow green edge. Makes many leaves.

NAMED VARIETIES OR ASSORTED

	Doz.	100	1000
No. 2 Size 1 inch—1½ inch	$2.00	$12.00	$100.00
No. 1 Size 1½ inch—2½ inch	2.50	17.50	150.00
Jumbo 2½ inch—3½ inch	3.50	27.50	250.00
Mammoth 3½ inch and Up	5.00	35.00	325.00

ST. BRIGID ANEMONE

RANUNCULUS VICTORIA HYBRID

GLOXINIAS

Belgian grown (Ready December 1st).

Etoile de Feu —bright red
Deflance—red scarlet
Roi des Rouges —deep red
Emperor Frederik—red with white border
Emperor Wilhelm—blue with white border
Mont Blanc—pure white
Prince Albert—deep blue
Violoceo—blue violet
Queen Wilhelmine—carmine
Tigrina—specked
Princess Elisabeth—blue with white throat
Woterloo—deep red
Hollywood—novelty, blue going over to scarlet purple. Very early large flowers.
Blonche de Meru—pink with white throat

Tubers potted in February will bloom in June. Start at 65 degrees in mixture half peat and half sand. Keep the soil moist and avoid direct sunlight for the plants, especially at its maximum intensity.

	Doz.	100	1000
1½-2 inch	$2.25	$16.50	$150.00
2 inch and up	3.00	21.00	185.00

EARLY DUG GLOXINIAS

Shipment from Chicago or N.Y., 1st week in November

We have made arrangements for a large quantity of these this year. They have become quite popular as the additional growing time produces a superior plant. Add **10 percent** to above prices for these.

PINK CALLA

(Rehmanni Superba) Ready October 1st

Truer pink than the old Rehmanni and make larger plant with longer stems on the flowers. Blooms sold very well on all major markets.

	Doz.	100	1000
1¼-1½ inches	$1.70	$14.00	$120.00
1½-2 inches	2.25	16.00	140.00
2-2½ inches	3.00	23.00	200.00

YELLOW CALLAS

(Elliotiana) Ready October 1st

Yellow callas are very attractive as pot plants. A few pots of this golden yellow flower placed in a display window draw much attention and sales. Grow a hundred and see how quickly they sell.

	Doz.	100	1000
2-2½ inch	$2.00	$16.00	$145.00
2½-3 inch	5.00	35.00	300.00
3 inches and up	6.50	50.00	450.00

RANUNCULUS

Bulbs are claw-like in shape and should be planted with claws downward two inches deep and ten inches apart. Soak bulbs same as Anemones. Vaughan's exclusive Victoria Hybrids have no rivals in abundant bloom, percentage of doubles, strong stems, and size of flowers. The color range embraces pink, yellow, orange, brilliant scarlet, vivid apricot and innumerable tints of these colors.

	American Grown 100	1000
Tops ⅞ to 1 inch	$5.50	$50.00
No. 1 Size ¾ to ⅞ inch	4.00	35.00
No. 2 Size ⅝ to ¾ inch	3.00	24.00
No. 3 Size ½ to ⅝ inch	2.40	18.00

Narcissi—American, French and Holland Grown

KING ALFRED

All Dutch cases are put on well ventilated ships so that you will receive the bulbs in good condition. Our New York branch sees that the bulbs are cleared through customs promptly.

Our American-grown bulbs are grown in Oregon, and Washington where narcissi bulbs grow best. After digging, our bulbs are stored in temperatures that have been found most satisfactory by eminent English and Dutch experimenters. This hastens the flowering period and keeps the bulbs firm.

For very early forcing we recommend American grown Pre-cooled King Alfred.

AMERICAN GROWN STOCKS

All Yellow Trumpets

	100	1000
King Alfred DN No. 1 Pre-cooled. Bring in about November 28	$11.00	$95.00
King Alfred DN No. 1. Regular. Bring in December 15th	10.00	85.00
King Alfred DN No. 2. Regular. Bring in after January 1st	6.50	55.00
Rembrondt. Bring in about December 20th	12.00	100.00

TRUMPET VARIETIES

	Holland Grown Double-Nose No. 1 100	1000
Beersheba. Large creamy white	$13.00	$110.00
Golden Harvest—Very large rich golden yellow. For pots or cutflowers bring in January 5th. Extra large bulbs. Texel Isle grown. Clean.	13.00	110.00
Magnet (better than Spring Glory) White Perianth yellow trumpet. Bicolor	8.50	75.00
Mrs. E. H. Kreloge—(Trumpet) Perianth white, trumpet sulphur-yellow passing to white. Bring in January 25th	9.00	80.00
Mrs. R. O. Bockhouse. White perianth, pink trumpet	10.00	85.00

TWINK

JOHN EVELYN

OTHER CLASSES

	Holland Grown Double-Nose No. 1 100	1000
Carlton—(Incomparable) Perianth sulphur-yellow, cup clear yellow bring in about January 10th.	$ 8.50	$75.00
Cheerfulness—(Double Poetaz) Creamy white bring in after February 15th	7.50	65.00
Clomor. Perianth white, cup yellow orange Red-edge good for pots	8.50	75.00
Crogford. Poetaz white with orange crown for very earliest forcing	11.00	90.00
Eorly Perfection—(Poetaz) White and yellow bring in after January 1st	10.00	85.00
Fortune—(Incomparabilis) Perianth deep yellow, large orange red trumpet bring in after Jan. 15th	10.00	85.00
Froncisco Droke—Wide filled cup of deep orange with pure white petals	9.00	85.00
John Evelyn. Ivory white perianth, large flat apricot crown, heavily frilled	8.50	75.00
Lourens Koster—(Poetaz) White with orange yellow cup. Bring in after January 20th	7.50	65.00
Scorlet Elegonce. Perianth deep yellow, cup deep orange-red, scarlet edge	10.00	85.00
Texas—(Double) Yellow and fiery orange, fine for pots. Good for Valentine day. Bring in about January 15th	10.00	85.00
Twink—(Double) Primrose and clear orange, fine for pots. Bring in about January 5th	10.00	85.00
Unsurpassoble. Very large Golden Yellow	11.00	95.00
Mixed Norcissus for naturalizing		
Medium size rounds	5.00	40.00
Large size DN No. 2	6.00	50.00

Narcissus Paper White Grandiflora

IMPORTED

Reody in September

Still in great demand for selling over the counter and for growing in dishes. Every Florist shop should carry them. Order early, supply only limited.

Paper Whites. Cases.	100	1000
13 ctms	$7.50	$65.00
14 ctms	9.00	80.00

	American Grown 100	1000
Grond Soliel D'Or. Yellow Paper White.		
14-16 ctms.	$7.00	$60.00
16-18 ctms.	8.50	75.00

Flower Seeds for Early Sowing

AGERATUM Midget Blue

Ageratum

(About 210,000 seeds per oz.)

Sow seed early to have good sized plants for spring. Plants from seed will vary some in habit.

★**Blue Bedder.** 4 in. Uniform compact plants bearing clusters of lavender-blue flowers. The color is deeper than that of Blue Ball. Trade pkt., **40c;** ⅛ oz., **95c;** ¼ oz., **$1.65;** oz., **$5.50.**

★**Dwarf Giant Blue Tetra (Blue Mink).** A tetraploid variety bearing giant trusses of fluffy powder blue flowers on strong husky plants. Plants grow 5 to 6 in., are upright, yet compact and even in habit. Ideal for pots equally good for edging and border. Trade pkt., **75c;** ⅛ oz., **$1.25;** ¼ oz., **$2.00;** oz., **$6.00.**

★**Midget Blue.** A delightful little plant being uniformly dwarf and true to color from seed. The delicate fine foliage is practically smothered with small true Ageratum blue flowers. Trade pkt., **50c;** ⅛ oz., **$1.00;** ¼ oz., **$1.80;** oz., **$6.00.**

Fairy Pink. Dwarf and compact habit, flowers delightful soft salmon-rose. Trade pkt., **60c;** ⅛ oz., **$1.00;** ¼ oz., **$1.80;** oz., **$6.20.**

Aloe

Variegata or "Partridge Breast Aloe," the finest and most favored quick growing succulent with beautifully variegated leaves. Seedlings of 9 to 12 months of age, potted up in Tom Thumb pots, are salable in unlimited quantity.
100 seeds, **$1.65;** 500 seeds, **$7.20;** 1000 seeds, **$12.50.**

★Alyssum

(About 60,000 seeds per oz.)

Vaughan's Carpet of Snow (Snow Cloth). Although one of the older standard varieties, we believe our strain surpasses all others for uniformity of height and form. It makes a neat, compact edging plant. 6 in. Trade pkt., **20c;** ¼ oz., **35c;** oz., **$1.00;** ¼ lb., **$3.00.**

Royal Carpet. Rich violet-purple of compact spreading habit. Remarkably uniform in color and growth, the perfect companion to Vaughan's Carpet of Snow. Trade pkt., **40c;** ¼ oz., **$1.35;** oz., **$4.00;** ¼ lb., **$12.00.**

Asparagus

Plumosus Nanus. Carefully harvested, hand-picked, plump, well-matured seed of this is a specialty with us.
100 seeds, **40c;** 250 seeds, **$1.00;** 1,000 seeds, **$3.00;** 5,000 seeds, **$10.00;** 10,000 seeds, **$18.00.**

Sprengeri. 100 seeds, **40c;** 250 seeds, **$1.00;** 1,000 seeds, **$3.00;** 5,000 seeds, **$10.00;** 10,000 seeds, **$18.00.**

Asters in the Greenhouse

The off-season production of Asters as a greenhouse crop is proving most profitable. While Asters can be flowered all year on a schedule similar to the one used for "Mums," it is as an early Spring and Summer cutflower they are at their best.

Requirements are simple: a night temperature of 50° and the use of additional lighting from the seedling stage until plants are 20 to 24 inches tall. We recommend the use of 60 watt bulbs with reflectors spaced 5 ft. apart (the lighting arrangement as you have it set up for Mums will do nicely). Additional lighting must be given from September 1st to May 1st, or until the first flowers show color, and from sunset to 10:30 P.M. At other times the natural light is sufficient.

The Giant Incurved Aster has proven most popular for this purpose, with heavy demand for the White, Rose Pink and Shell Pink. Use sterilized soil and space plants 8 x 8 inches.

A portion of Ohio State's recommend growing schedule follows and is readily adaptable where the suggested 50° night temperature is maintained.

SOW SEEDS	POT	BENCH	APPROXIMATE FLOWERING DATE
August 15	September 15	November 1	February
September 10	October 1	December 1	March
October 20	November 15	January 1	April

Aster Giant Incurved

A strain of large, full-double flowers on long stems. Highly resistant to wilt. Exceptional as cutflowers.

Azure. Clear light blue.

Phlox Pink. Soft peachblossom pink.

★**Pure White.** Outstanding.

Purple Ball. Bright purple color.

★**Rose Pink.** Rich deep rose.

★**Shell Pink.** Soft shell pink. Especially fine for flowering under lights.

Each of the above, trade pkt., **$1.75;** ¼ oz., **$3.20;** oz., **$9.60.**

Browallia

(65,000 seeds per oz.)

★**Speciosa Major Blue.** Flowers the size of large single violets and a rich deep blue. Sow early for cutting or pot plants at Christmas. Trade pkt., **$1.20;** 1/16 oz., **$3.60;** ⅛ oz., **$6.60;** ¼ oz., **$12.00.**

Centaurea Cyanus

(6,500 seeds per oz.)

SUPER GIANT Cornflower

The flowers of these strains are large, fully double and colors intensified. Long stems for cutting.
May also be sown out of doors just before freezing for early spring blooming.

Black Boy. Blackish maroon.

Red Boy. Ruby red.

★**Blue Boy.** Rich deep blue, very large flowers.

★**Rosie.** Rich rose with salmon overcast.

★**Pinkie.** Deep pink.

★**Snowman.** Best white.

Vaughan's Mixture of Super Giant Varieties.

Each of above, Trade pkt., **25c;** oz., **65c;** ¼ lb., **$2.20;** lb., **$6.50.**

OUR RECOMMENDATIONS ARE INDICATED BY A STAR (★)

BEGONIA, Type of Pink Pearl and Red Pearl

Begonias—Fibrous-Rooted

(30,000 seeds per 1/32 oz.)

Because of their being adaptable to all growing conditions, Begonias are rapidly forging ahead as one of the most popular pot plants. Do equally well in the home, where light and heat conditions are not at their best, also as bedding plants for the partially shaded spot in the garden.

Monthly sowings from August to March will insure ample supply of plants to take care of customer needs.

Begonia seedlings will burn if exposed to full sun. Recommend the use of a good, well shaded house high in humidity.

DWARF, 6 TO 8 INCHES

★**Pink Pearl.** Of dwarf, compact habit—6 to 8 inches high, this Begonia is one of the very best for pot culture. The plants form perfect balls and the flowers are well above the fresh green foliage. We recommend it. Trade pkt., (2,000 seeds), **$1.50.**

★**Red Pearl.** Same as above in type, and blooming habit. Color, brilliant dark scarlet. Trade pkt., (2,000 seeds), **$1.50.**

Adeline. (Improved Darling). Very dwarfest habit; bright pink flowers and green foliage, very attractive.
Trade pkt., **$1.25;** 1/64 oz., **$3.25;** 1/32 oz., **$6.00.**

Ball Deep Rose. Identical in habit to Adeline from which it was selected. Under winter and spring conditions the color is a deep rich rosy red which gradually fades to bright luminous pink with the coming of warmer weather.
Trade pkt., **$1.50;** 1/64 oz., **$3.25;** 1/32 oz., **$6.00.**

Ball Red. Fairly dwarf in growth and of uniform, perfectly rounded habit. The plants are literally covered with medium large flowers of the brightest scarlet red imaginable. Much more brilliant and intense than King of the Red or Luminosa.
Trade pkt., **$1.50;** 1/64 oz., **$3.25;** 1/32 oz., **$6.00.**

Ball White. A good white for pot-plant use.
Trade pkt., **$1.50;** 1/64 oz., **$3.00;** 1/32 oz., **$5.50.**

Dwarf Luminosa. Bright scarlet, free flowering. Excellent pot plant.
Trade pkt., **$1.25;** 1/64 oz., **$3.25;** 1/32 oz., **$6.00.**

★**King of the Reds.** Very dwarf, glowing scarlet, foliage, green edged bronze. Trade pkt., **$1.25;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00.**

Saga. Extra dwarf strain of dense growth Small bright red flowers.
Trade pkt., **$1.50;** 1/64 oz., **$4.00;** 1/32 oz., **$7.50.**

★**Snowbank.** The best dwarf white Begonia, large flowered pure white; very free flowering. Plants are compact and uniform. Foliage a bright, clear green. Trade pkt., **$1.25;** 1/64 oz., **$3.00;** 1/32 oz., **$5.50.**

★**Thousand Wonders Red.** (Red Tausendschon). (Heterosis). Rich carmine scarlet. Trade pkt., **$2.00.**

★**Thousand Wonders.** (Tausendschon). Flowers lustrous rose, absolutely even in growth and color. Plants are one mass of bloom. Trade pkt., **$2.00.**

Vaughan's Special Mixture of Dwarf Varieties for pots and bedding. Trade pkt., **$1.25;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00.**

BEGONIAS—Continued

MEDIUM, 9 TO 11 INCHES

Carmen. Bright rose flowers, bronze foliage.
Trade pkt., **$1.25;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00.**

★**Indian Maid.** Bright deep scarlet buds and flowers with deep lustrous bronze foliage.
Trade pkt., **$1.25;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00.**

★**Luminosa.** Deep dark scarlet flowers, foliage reddish brown.
Trade pkt., **$1.25;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00.**

★**Scandinavia Pink.** An outstanding large-flowered pink variety for pots. Plants are of good branching habit with dark green foliage. Excellent for winter flowering.
Trade pkt., **$1.25;** 1/64 oz., **$3.00;** 1/32 oz., **$5.50.**

Scandinavia Red. Like above except in color.
Trade pkt., **$1.25;** 1/64 oz., **$3.00;** 1/32 oz., **$5.50.**

Scandinavia White. A free flowering white, selected out of Scandinavia. Trade pkt., **$1.25;** 1/64 oz., **$3.00;** 1/32 oz., **$5.50.**

White Pearl. White. Trade pkt., **$1.25;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00.**

Vaughan's Special Medium Tall Mixture. A formula blend consisting of the above colors.
Trade pkt., **$1.25;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00.**

TALL, 12 INCHES AND UP

★**Christmas Cheer Red.** A very large-flowered variety, color dark crimson-scarlet. Trade pkt., **$1.00;** 1/64 oz., **$2.00;** 1/32 oz., **$3.75.**

Vaughan's Special Mixture of all Varieties. Includes all the popular sorts. Trade pkt., **$1.25;** 1/64 oz., **$1.80;** 1/32 oz., **$3.00.**

BEGONIA VARIETIES

Rex Hybrids. An outstanding mixture producing a wide range of ornamental leaved Rex Type. New crop, delivery in October-November. Trade pkt., **$2.50.**

Double Tuberous Rooted

Vaughan's Special Mixture. This cream of a specialist's collection contains the lovely camellia and rose-flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Leaflet on culture supplied with seed. Trade pkt., **$3.50.**

Calceolaria

(20,000 seeds per 1/32 oz.)

Good 5 or 6 inch plants will be available in April from a mid-August sowing while a November sowing will make good 4 inch plants. Cornell University recommends a 50 degree temperature during bud developing period.

★**Triumph Strain.** A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. Trade pkt., **$1.25;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00.**

Multiflora Nana Mixed. The average size of the blooms is only 1 1/2 inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pinch out center to make well shaped bushy stock.
Trade pkt., **$1.25;** 1 128 oz., **$2.75;** 1/64 oz., **$5.00;** 1/32 oz., **$9.00.**

★**Gilbert's Multiflora Nana Mixed.** A Specialist's selection from the Type. Bright gay colors, plants uniform and compact, very free flowering. Trade pkt., **$2.50.**

★**Hybrids Mixed. (F-1 Multiflora Nana. Gilbert's).** The result of careful selection by a Specialist. Good stems, large flowerheads in a range of color that includes red shades, yellow shades, bronze shades, and pastels from solid to mottled. Recommended for the florist who wants a Calceolaria with large flowers, excellent color combination, tremendous head, with keeping quality, not too large a plant but with good foliage and earliness. A July sowing should be finished in 6 inch pots. 10 to 14 in. Cultural leaflet supplied with each packet. Trade pkt., **$3.50.**

Clarkia Elegans Double

(100,000 seeds per oz.)

This is now much planted for cutting, both in and outdoors. If grown indoors, plants must be starved. Grow on in flats or shallow raised bench. 2 ft.

Albatross. (White Prince) Pure white.

Salmonea Perfecta (Salmon Queen). True salmon.

May Blossom. Glowing rose.

Vaughan's Special Mixture.

Each of the above; Trade pkt., **25c;** 1/4 oz., **35c;** oz., **$1.10.**

See our Spring Book For Florists for a complete Flower Seed Listing

CALENDULA Sensation, Vaughan's Improved (Campfire)

Calendulas

(5,200 seeds per oz.)

From a July 1st sowing, plants benched in September, good flowers for cutting will be available in November. A Mid-August sowing will produce flowers for cutting from Christmas through early March. Grow cool; recommend 45 degrees for best results.

GREENHOUSE FORCING VARIETIES

These improved varieties, while mainly grown in the greenhouse, can also be grown outdoors for cutting.

Sensation, Vaughan's Improved (Campfire). Long stems; very double, brilliant orange flowers. The blooms are very flat in shape.
Trade pkt., **40c;** ¼ oz., **70c;** oz., **$2.40;** ¼ lb., **$7.50.**

Gold. Has the same long stem and extra large, uniformly double flowers that are so well known in Orange Improved.
Trade pkt., **40c;** ¼ oz., **70c;** oz., **$2.40;** ¼ lb., **$7.50.**

Lemon Queen Improved. Lemon yellow with dark eye.
Trade pkt., **40c;** ¼ oz., **70c;** oz., **$2.40;** ¼ lb., **$7.50.**

Improved Long Orange. Attractive bright golden orange with light eye; a clearer lighter color than the regular Long Orange.
Trade pkt., **40c;** ¼ oz., **70c;** oz., **$2.40;** ¼ lb., **$7.50.**

Masterpiece. Extra long-stemmed, deep orange-brown center.
Trade pkt., **40c;** ¼ oz., **70c;** oz., **$2.40;** ¼ lb., **$7.50.**

Vaughan's Special Mixture for greenhouse forcing.
Trade pkt., **35c;** ¼ oz., **60c;** oz., **$1.80;** ¼ lb., **$5.50.**

For Outdoor Sowing in the Southern States

Calendula Pacific Beauty

Because of their resistance to heat, The Pacific Beauty Calendula is particularly well adapted to outdoor growing in our Southern States. A Bedding Variety with uniformly large flowers of good formation on long straight stems.

Apricot Beauty. The attractive two-toned effects is more clearly pronounced than in the older type. A lovely apricot.
Trade pkt., **35c;** ¼ oz., **60c;** oz., **$1.80;** ¼ lb., **$5.50.**

Cream Beauty. Creamy-white, shading to soft yellow. A delicate color, which combines well with others.
Trade pkt., **35c;** ¼ oz., **60c;** oz., **$1.80;** ¼ lb., **$5.50.**

Lemon Beauty. Pure lemon yellow; centers well covered with wide incurving petals.
Trade pkt., **35c;** ¼ oz., **60c;** oz., **$1.80;** ¼ lb., **$5.50.**

Persimmon Beauty. A true persimmon-orange of unusual size and brilliance, with long graceful petals.
Trade pkt., **35c;** ¼ oz., **60c;** oz., **$1.80;** ¼ lb., **$5.50.**

Pacific Beauty Mixed. A blend of above.
Trade pkt., **35c;** ¼ oz., **60c;** oz., **$1.80;** ¼ lb., **$5.50.**

★Crossandra

An evergreen and everblooming plant. Leaves are dark green, somewhat resembling the Laurel. The flowers vary from salmon pink to peach and flower over a long period. Valuable as a pot plant, attaining a height of 12 in. Likes heat, germinates best at from 70 to 80 degrees and under these conditions seed will germinate in three to seven weeks.
50 seeds, **$2.00;** 100 seeds, **$3.50;** 200 seeds, **$6.00.**

Candytuft

(9,000 seeds per oz.)

★**Giant Hyacinth-Flowered Select, Pure White.** This is a superior strain; it grows about 1½ feet high, with enormous trusses of blooms. The best strain in existence for florists' use.
Trade pkt., **25c;** Oz., **90c;** 4 oz., **$2.90;** lb., **$9.00.**

UMBELLATA. Widely used throughout Florida and southern Texas as a winter outdoor crop. 12 in.

Alba. Pure white.
Lilacina. Lilac.
Purpurea. Crimson.
Rose Cardinal. Rose-pink.

Vaughan's Special Mixture.
Each of the above: trade pkt., **30c;** oz., **75c;** ¼ lb., **$2.00.**

Fairy Mixed (dwarf compact). 8-in. dome-like plants, neat, dwarf and compact. The color range includes rose, pink, carmine, crimson, lavender, flesh pink and white. The uniform growth gives the appearance of a rich carpet of color. For pots and combinations. Very early. Trade pkt., **35c;** ¼ oz., **75c;** oz., **$2.00.**

Cineraria

(6,000 seeds per 1/32 oz.)

From sowings made in June and July, potted in August and September, plants will be available from January on. For best results do not pinch.

★**Vaughan's Master Blend.** A new strain in a complete range of solid colors, all without eyes, rich red tones predominating. Dense flower head, dwarf compact plant, 12 to 14 inches in height.
Trade pkt., **$1.75;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00.**

★**Vaughan's Columbian Mixture.** Contains the best large flowering types and colors as well as Cremer's, Potsdam, Siter's and Gold Center strains. Unexcelled in variety of colors, size, shape and substance of flowers and perfect habit of plant.
1,000 seeds, **$1.25;** 1/64 oz., **$2.00;** 1/32 oz., **$3.30;** 1/16 oz., **$6.00.**

★**Cremer's Prize Mixture.** Re-selected. Somewhat taller and larger flowered than Multiflora Nana.
Trade pkt., **$1.50;** 1/64 oz., **$2.50;** 1/32 oz., **$4.50.**

Gold Center. (Multiflora Nana). The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers. Good shipper.
Trade pkt., **$1.50;** 1/64 oz., **$2.50;** 1/32 oz., **$4.50.**

Cremer's Prize Strain and Siter's Rainbow Strain. In equal proportions.
Trade pkt., **$1.50;** 1/64 oz., **$2.50;** 1/32 oz., **$4.50.**

★**Siter's Rainbow Strain Mixed.** Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth with small leaves. Earlier than Cremer's.
Trade pkt., **$1.50;** 1/64 oz., **$2.50;** 1/32 oz., **$4.50.**

Siter's Hybrids. A distinct improvement over the original strain. A new group of Cineraria Hybrids blended for perfect combination of colors, ranging from bright-eyed types through the finer pastel shades. Large flower heads with medium, large individual flowers. (Originator's Packet).
Seed for 500 plants., **$5.00.**

Grandiflora Dwarf Mixed. Excellent strain in a fine range of color. 1 ft.
Trade pkt., **$1.25;** 1/64 oz., **$2.00;** 1/32 oz., **$3.75.**

Coleus

(3,500 seeds per 1/32 oz.)

Vaughan's Rainbow Mixture. Our **Greenhouse Grown Strain** combines a wide range of brilliant richly colored medium to large leaves with a plant that is vigorous yet of uniform compact habit.
½ trade pkt., **$1.00;** trade pkt., **$1.60;** 1/64 oz., **$2.60;** 1/32 oz., **$5.00;** 1/16 oz., **$9.00;** ⅛ oz., **$15.00.**

Red Rainbow. Medium sized leaf of deep mahogany-red and bright carmine-rose edged green. Very brilliant combination.

Pink Rainbow. Rich coral-pink shading to salmon with small green border. A bright color blend. Medium sized leaf.

Candidum. Brilliant green and soft ivory combine to make this a showy plant for combinations.

Each of the above: ½ trade pkt., **$1.50;** trade pkt., **$2.50;** 1/64 oz., **$3.30;** 1/32 oz., **$6.00;** 1/16 oz., **$11.00.**

CYCLAMEN—PERSICUM GIGANTEUM

Cyclamen

Persicum Giganteum

☛**Our Cyclamen seed has been grown by experienced American and European growers who have specialized in this item for years.**

SPECIAL DISCOUNT ON CYCLAMEN: In addition to our regular cash discounts, the following special discounts are allowed on Cyclamen seed: 250 of a variety at 1000 rate (except Double); 10,000 to 25,000 seeds, any assortment, 5%; over 25,000 seeds, 10%.

Baardse's Wonder. Salmon with white border
Bonfire. Brilliant salmon
Bright Red
Dark Blood Red
Lavender
New Ruffled Mixed
Pink Pearl. (Mozart). Salmon pink
Pure Rose
Pure White
Ruffled Red
Ruffled Salmon
Ruffled White
Saffron Red Silver Edge
Salmon Scarlet (America Improved—Orange Beauty)
Salmon-Rose Improved
Salmon Dark (Glory of Wandsbek or Pearl of Zehlendorf)
Salmon Light (Rose of Zehlendorf)
Soft Rose with Carmine Eye (Improved Rosa von Marienthal)
Victoria Improved. The bloom is fringed with a bright salmon eye and balance of petals in a lighter salmon shade getting still lighter near the fringed edge and the fringed edge is always a bright salmon.
White with Carmine Eye
White Fringed

Each of the above: 100 seeds, **$2.50;** 1000 seeds, **$20.00.**

Vaughan's Florist Mixture
100 seeds, **$2.00;** 1000 seeds, **$15.00.**

Vogt's Double Cyclamen

This strain comes about 80% true from seed.

Double Mixed. All colors. 100 seeds, **$3.75;** 250 seeds, **$7.75;** 500 seeds, **$14.00.**

Dusty Millers

(7,000 seeds per oz.)

Centaurea Candidissima. White leaved for bedding. Start early, slow grower. 6 in. Trade pkt., **60c;** ¼ oz., **$1.25;** oz., **$4.00.**

Gymnocarpa. Fine cut leaved variety with silvery foliage. 24 in. Trade pkt., **25c;** ¼ oz., **50c;** oz., **$1.50;** ¼ lb., **$4.50.**

Cineraria Maritima Diamond. (22,000 seeds per ¼ oz.) Leaves pure white. Trade pkt., **25c;** ¼ oz., **50c;** oz., **$1.50.**

Maritima Candidissima. Silvery leaves, excellent for bedding and borders. Trade pkt., **25c;** ¼ oz., **50c;** oz., **$1.50.**

DELPHINIUM PACIFIC GIANT

Delphinium

(10,000 seeds per oz.)

PACIFIC GIANT. This strain produces plants that are 60 to 65 per cent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers **do not shatter** and represent a truly outstanding addition to the cut flower market.

Black Knight Series. Deep mid-night violet. The darkest of them all. Flowers of beautiful round form, with heavy velvety texture.

Blue Bird. A clear medium blue with white bee with huge tall spikes.

Blue Jay. Brilliant true medium blue with dark bee.

Cameliard Series. This is a pure lavender self, with white bee.

Galahad Series. Clear white of enormous size, averaging three inches in diameter of individual flowers with very heavy glistening texture.

Guinevere. Light pink lavender self with white bee.

King Arthur. Brilliant royal violet with large white bee.

Percival. White with contrasting black bee.

Summer Skies. Clearest light blue with white bee.

Round Table Series. As the name implies, this represents all of the color combinations of the above Knights and their Ladies.

ORIGINATOR'S STRAIN

(Vetterle & Reinelt). The originator's own fine selection of the above, bred for uniformity of habit and size of flower. **Each,** Trade pkt., **$2.00;** ⅛ oz., **$3.00;** ¼ oz., **$5.50;** oz., **$20.00.**

REGULAR STRAIN

Grown especially for us by a Delphinium specialist, one generation removed from Originator's. **Each,** Trade pkt., **$1.40;** ⅛ oz., **$2.50;** ¼ oz., **$4.50;** oz., **$15.50.**

ASTOLAT SERIES

A mixture of novel shades ranging from pale blush through pink, rose and lilac, with dark bees. Size and quality compare favorably with other Pacific Giant Hybrids.

Originator's Strain. Trade pkt., **$2.00;** ⅛ oz., **$3.00;** ¼ oz. **$5.50.,** oz., **$20.00.**

Regular Strain. One generation removed from Originator's. Trade pkt., **$1.50;** ⅛ oz., **$2.75;** ¼ oz., **$5.25.**

Didiscus

(10,000 seeds per oz.)

Coeruleus, Lavender Lace Flower. Light blue-lavender flowers freely produced on good stems. 2 ft. Plant in pots to follow "Mums" or sow direct in beds thinning to 6 inches in rows a foot apart. Does not transplant well. Not over Carnation temperature needed. Trade pkt., **25c;** ¼ oz., **60c;** oz., **$1.80.**

Lace Veil. Pure paper white, identical to the Blue, except for color. Early, long-stemmed, 2½ ft. plants. May be dyed any color and is better than Queen Anne's Lace for this purpose. Trade pkt., **35c;** ¼ oz., **$1.00;** oz., **$3.00.**

Dracaena

Indivisa. (1,500 seeds per oz.) Narrow leaved. **In the Hull.** Trade pkt., **25c;** oz., **60c;** ¼ lb., **$1.65;** lb., **$5.50.**

Clean Seed. (2,500 seeds per ¼ oz.) Trade pkt., **60c;** ¼ oz., **$1.00;** oz., **$3.00;** ¼ lb., **$9.00.**

EXACUM (15,000 seeds per 1/64 oz.) **Affine.** Beautiful greenhouse pot plant producing sweetly scented bright mauve flowers. Flowering within 6 months from sowing. Height 9 in. Trade pkt., **$1.20;** 1/128 oz., **$3.20;** 1/64 oz., **$6.00.**

EXACUM Affine

Flame Violets

(Episcia Mixture)

An attractive, new and interesting pot plant. Brilliantly colored foliage ranging from deep shiny green through soft hairy brown, brown veined with green or silver, to silver with rust markings. The flower colorings are bright and will show rich shades of red, orange-red and scarlet, as well as a fringed white. Easily grown, seed germinates readily. Handle as you would Gloxinia or African Violets. 50 seeds, **$1.75;** 100 seeds, **$3.00;** 200 seeds, **$5.00.**

FUCHSIA Superb Mixture. An outstanding mixture produced by crosses between named varieties, doubles and singles. Will produce new hybrid varieties as well as parent types. 250 seeds, **$3.50;** 500 seeds, **$5.50;** 1000 seeds, **$10.00.**

Gloxinia Hybrida

(25,000 seeds per 1/32 oz.)

★**Velvet Queen.** Very large ruffled violet red flower, plants are compact. One of the finest. Trade pkt., **$2.00.**

★**Vaughan's Columbian Mixture.** This is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and we know that better seed is not to be had at any rate. Trade pkt., **$1.25.**

Beacon. Flowers rich dark red, flexible leaves. Trade pkt., **$1.25.**

Crimson Glow. Glowing scarlet, very free blooming. Trade pkt., **$1.25.**

Emperor Frederick. Dark scarlet, white margin. Trade pkt., **$1.25.**

Emperor William. Dark violet, white margin. Trade pkt., **$1.25.**

Gierth's White. Large flowers of pure white on sturdy stem. Trade pkt., **$1.25.**

Marveille. White edged flowers of brilliant red, very free flowering with flexible dark leaves. An "Improved Emperor Frederick." Trade pkt., **$1.50.**

Rose Sensation. An outstanding new color. Brilliant carmine rose with ivory throat, large flowers produced in abundance and flexible well shaped leaf make this one of the best. Trade pkt., **$1.50.**

Swiss Emblem. (Hybrid Gigantea). Brilliant scarlet red with white margin. Trade pkt., **$1.50.**

Spotted and Stained Choice Mixture. Trade pkt., **$1.25.**

French Hybrids. A mixture of the finest varieties. Trade pkt., **$1.25.**

Gigantea Finest Mixed. Superb class of giant size and rich colors. Trade pkt., **$1.25.**

Gypsophila

(25,000 seeds per oz.)

These free blooming plants, of easy culture, are most desirable for cutting as a filling with other flowers.

★**Elegans Grandiflora White. Special Florist strain.** Oz., **30c;** ¼ lb., **85c;** lb., **$2.50.**

Impatiens

A fine pot plant item in colors much in demand during the Christmas Season.

DWARF, 6 to 8 in.

★**Beauty of Klettgau.** Brilliant fire-scarlet red changing to deep salmon-orange. Dwarf compact plant; light green leaves. Very free-flowering. 6 in.

Nana Carmine. Dwarf free flowering. Especially fine for pots.

★**Dwarf Varieties Choice Mixed.** (70,000 seeds per oz.) Especially fine for pots, growing only 6 in. tall. Flowers continuously, in many shades.

Each of the above 3: trade pkt., (500 seeds,) **55c;** (1000 seeds,) **$1.00;** 1/32 oz., **$2.50;** 1/16 oz., **$4.00.**

TALL, 9 to 15 in.

Holstii. (55,000 seeds per oz.) Bright vermillion. Beautiful for summer bedding.

Sultani. (20,000 seeds per oz.) Bright Rose.

★**Tall Varieties Choice Mixed.** Includes lilac, carmine, salmon pink and scarlet shades.

Each of the above 3: trade pkt., (500 seeds), **55c;** 1/16 oz.,**$1.10;** ⅛ oz., **$1.90.**

★ Jacaranda

Mimosaefolia. A tree in subtropical regions with foliage as finely cut as a fern, symmetrical and elegant. Showy blue or violet flowers valuable in the north for conservatory decorations or subtropical bedding. Young plants make attractive pot plants. 100 seeds, **55c;** 1,000 seeds, **$3.90.**

Lilies

Seeds sown in October or November should be transplanted into 2½ inch pots or bands 3 or 4 months after sowing. Carry along until August when they should be planted in the bench 6x8 inches apart or grown in 4 or 5 inch pot. These will grow into plants carrying 2 or 3 flowers the following Spring.

Longiflorum Praecox White Queen. (8,300 seeds per oz.) Produces blooms of the well known Erabu type in from 12 to 15 months after sowing. Long trumpet flowers of clear white. Trade pkt., **$1.50;** 1/16 oz., **$3.00;** ⅛ oz., **$5.50.**

Nemesia

(90,000 seeds per oz.)

A sowing made in the Fall and grown on cool will provide excellent plants for spring combination work.

Nana Compacta (Dwarf) **Triumph Mixed.** 8 in. Trade pkt., **40c;** ¼ oz., **$1.20;** oz., **$3.60.**

Annual Larkspur

(8,500 seeds per oz.)

Larkspur does not germinate well in hot weather and we recommend chilling seed for several days in an ice box (45°-50°) if sowing must be made in summer heat.

For growing under glass to follow late Mums, we recommend a planting in late December to early January, and band or pot the seedlings. Plants are spaced 10 x 10 in. on raised benches and grown at 45°-50°.

Direct ground sowing will bring Larkspur into crop in early spring. From an August 15th to September 15th sowing, seedlings will be of sufficient size to winter over if given a light mulch. Another method is to sow seed in late October to November so it will not germinate until early the following spring. Care should be made to select a location with good drainage.

REGAL—BASE BRANCHING

Retains the desirable height and basal branching habit of the Giant Imperials but with Delphinium-like florets on long, thick spikes. Vigorous and early.

★**Regal Rose.** A rich Florist's rose color.

★**Regal Pink.** Brilliant pink on salmon. Distinct.

Each of the above.
Trade pkt., **40c;** ½ oz., **$1.00;** oz., **$1.80;** ¼ lb., **$6.00;** lb., **$18.00.**

SUPREME—BASE BRANCHING—5 ft.

An improved strain of Giant Imperial or base branching Larkspur. Plants have an ideal upright habit, with spikes on which large fully double flowers with broad petals are closely spaced.

★**Dark Blue Supreme.** A fine rich violet purple, clear and bright.

Lilac Supreme. A pleasing clear lilac.

★**Pink Supreme.** A most desirable florist color.

★**Rose Supreme.** Clear deep rose.

Salmon Supreme. True salmon.

★**White Supreme.** A true white, without a trace of pink.

Supreme Mixed. A **formula-blend** of the above to which has been added sorts not yet introduced.

Each of the above.
Trade pkt., **40c;** ½ oz., **$1.00;** oz., **$1.80;** ¼ lb., **$6.00;** lb., **$18.00.**

GIANT DOUBLE IMPERIAL LARKSPUR—

The Base Branching Type—4 ft.

The original base branching type, tall spikes of double florets on long stems. Upright growing, most desirable for outdoor sowing.

Blue Bell. Fine medium blue.

Blue Spire. Dark blue.

★**Brilliant Rose.**

Carmine King Improved. Distinct. Holds its color under trying conditions.

Exquisite Pink Improved. Soft pink shaded salmon.

Gloria Improved. Rich, deep rose-salmon.

★**Lilac Spire.** Rich lilac.

★**White King.** Glistening pure white.

Each of the above.
Trade pkt., **30c;** ½ oz., **90c;** oz., **$1.60;** ¼ lb., **$5.25;** lb., **$16.00.**

Giant Imperial Vaughan's Special Mixed. A **formula-blend** in a full range of color that includes the above and others.
Trade pkt., **30c;** ½ oz., **90c;** oz., **$1.60;** ¼ lb., **$5.25;** lb., **$16.00.**

Nasturtium

(180 seeds per oz.)

Double Climbing Fragrant Varieties. Sow seed in late summer and give support early. Like cool nights and considerable water. Their bright flowers of spicy fragrance will come in handy during the winter months.

Tall Golden Gleam. Semi-double yellow.

Scarlet Gleam. Bright orange-scarlet.

Glorious Gleam Hybrids. Wonderful range of color in double and semi-double flowers.

Each of the above: Oz., **40c;** ¼ lb., **$1.25;** lb., **$4.00.**

KALANCHOE YELLOW DARLING

Kalanchoe

★**Brilliant Star.** Flowers three times the size of ordinary varieties, a rich fiery red with dark green foliage. Compact growth. Ideal for pots or as cutting material.
Trade pkt., **$1.00;** 1/128 oz., **$2.75;** 1/64 oz., **$5.00;** 1/32 oz., **$9.50.**

★**Tom Thumb.** Perfectly rounded symmetrical plants covered with small bright scarlet flowers.
Trade pkt., **$1.40;** 1/128 oz., **$3.00;** 1/64 oz., **$5.50;** 1/32 oz., **$10.00.**

★**Yellow Darling.** The flower of a strong lemon-yellow combined with foliage of shining green make it a perfect plant for flower combinations when used with the dwarf red Kalanchoe, Primula or Saintpaulia. 6 in. Trade pkt., (500 seeds) **$1.50.**

Lobelia

(About 725,600 seeds per oz.)

Brilliant blues lacking in other plants can be found in the Lobelia. Recommend they be used in semi-shaded locations; especially attractive for combinations.

Erinus Compactus Crystal Palace. 4 in. Deep blue dark foliage.

Blue Gown. Clear deep blue, without eye, fine compact habit.

Cambridge Blue. Light blue with green foliage.

Emperor William. Gentian-blue, light foliage. 4 in.

Mrs. Clibran Improved. Deep blue, white eye, light foliage.

White Lady (Snowball Improved). Dwarf pure white.

Each of the above 6. Trade pkt., **30c;** ¼ oz., **$1.10;** oz., **$3.30.**

Pendula. (For hanging baskets.)

Hamburgia. Sky-blue, white eye, dark foliage.

Sapphire. Deep navy-blue, white eye.

Each of the above 2. Trade pkt., **40c;** ¼ oz., **$1.15;** oz., **$3.50.**

Lupinus

(1,300 seeds per oz.)

Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for cutting to follow "mums" or sweet peas as a "catch crop." From an August sowing flowers will be available for a February cut. Sow directly into 3 inch pots, bench in raised bed at 50 degrees. Avoid overwatering.

HARTWEGII GIANTS OR KING LUPINUS. This improved giant strain is over a foot taller than the ordinary strain, reaching a height of 3 or 4 feet. There are five or six long basal branched spikes to each plant, bearing closely placed giant blooms.

King Dark Blue **King Sky Blue**
King Heliotrope **King White**
King Mixed

Each of the above. Trade pkt., **25c;** oz., **$1.00;** ¼ lb., **$3.00.**

Pansies For Bedding

(About 24,000 seeds per oz.)

Carl Risch of **Indianapolis, Indiana,** with **Vaughan's Super Maple Leaf Pansies** grown in 3 in. square **Val-Peat Pots®.** Note large flower and healthy root system.

Seed sowing was made around August 15th, transplanted into **Val-Peat Pots®** October 1st. To winter over, he covered bottom of cold frame with one inch sand into which pots were plunged and covered frame with sash. Nice plants were ready for April 1st to 15th sales.

Pansies in Mixture

★**Pansy Vaughan's Swiss Master Blend®.** The newest in a long line of "Pansy Firsts." Flowers of good size and texture in a brilliant array of color with a depth of tone never before seen in Pansies. Strong stems keep the flowers well above the green foliage. Compact plants, early to bloom. Truly outstanding. Trade pkt., **$1.00;** ⅛ oz., **$2.75;** ¼ oz., **$5.00;** oz., **$15.00;** ¼ lb., **$50.00.**

★**Vaughan's Super Swiss Giant Mixture.** Fine large flowers, 3 inches or more in diameter, of good substance, perfectly round, with thick overlapping petals of a rich velvety texture on strong stalks well above the luxuriant foliage. Excellent for cutting; well suited to the garden border and for basket or combination work. Trade pkt., **75c;** ⅛ oz., **$1.75;** ¼ oz., **$3.25;** oz., **$10.00;** ¼ lb., **$30.00.**

★**Vaughan's Super Maple Leaf Mixture "Canadian Giants."** A selection of the distinct variety Maple Leaf Giants which we introduced some years ago; having large leaves of a rich dark green and flowers of gigantic size and heavy substance, with good stems, in a beautiful color range. Plants of compact and sturdy growth. Trade pkt., **75c;** ⅛ oz., **$1.75;** ¼ oz., **$3.25;** oz., **$10.00;** ¼ lb., **$30.00.**

★**Color Carnival.** An American bred strain of exceptional quality and substance. A magnificent color range, heavy in reds and scarlets. Flowers are large, plants compact yet vigorous. All blooms are blotched giving a great brilliancy and depth of color. Outstanding for bedding use whether for plant sales or in the home garden. Trade pkt., **$1.50;** ⅛ oz., **$3.75;** ¼ oz., **$7.00;** oz., **$22.00.**

★**Roggli Elite Mixed.** A blend of attractive colors, especially recommended for its large flower and uniformity of color and habit. Red tones predominate with many flowers attractively blotched. Outstanding.
Trade pkt., **$1.50;** ⅛ oz., **$3.75;** ¼ oz., **$7.00.**

★**Amsterdam Giant.** A very early free flowering strain with a long season of bloom. Flowers are large, 3 to 4 inches across, and the colors bright. Coming into flower early and showing a great resistance to heat, it has proven a very popular "Basket Pansy" in the European Market, for which it was especially bred, also on the East Coast wherever grown.
Trade pkt., **75c;** ⅛ oz., **$1.80;** ¼ oz., **$3.00;** oz., **$10.00.**

★**Jumbo Mixed.** Extra large and early; long stemmed flowers. An outstanding favorite in the South. Trade pkt., **85c;** ⅛ oz., **$1.95;** ¼ oz., **$3.30;** oz., **$11.00;** ¼ lb., **$40.00.**

Vaughan's Dwarf Super Swiss Mixed. This type, being shorter and more compact, is suitable to plant sales. The color range is as good as that of the Super Swiss. Trade pkt., **65c;** ⅛ oz., **$1.60;** ¼ oz., **$2.65;** oz., **$9.00;** ¼ lb., **$27.00.**

Vaughan's Long Stemmed Winter-Flowering Mixed. Reselected. It has a much wider color range than other Winter-Flowering strains and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of a very good substance and sweet scented. Sow in summer for Mid-winter blooming and give support early.
Trade pkt., **$1.00;** ⅛ oz., **$2.75;** ¼ oz., **$5.25.**

America, Ideal Bedding or Basket Pansy. Good substance with wide color range. Free flowering. Trade pkt., **65c;** ⅛ oz., **$1.60;** ¼ oz., **$2.70;** oz., **$10.00;** ¼ lb., **$30.00.**

Clear Crystals (New). An early free flowering strain. Flower edges are slightly ruffled and in size slightly smaller than the Swiss. The color range includes Scarlet-red, wine-purple, orange, lilac, golden yellow, true blue, violet and white all without the dark blotch so conspicuous in the Swiss Strain. The plants are nicely rounded and compact. Comes into bloom with the "Ice Pansy" in early Spring and continues throughout Summer, showing a tendency to withstand temperature extremes. Very bright and gay.
Trade pkt., **$1.00;** ¼ oz., **$2.50;** oz., **$7.50.**

Oregon Giants (Originator's Stock). A fine strain of giant ruffled pansies. The large flowers of heavy texture have a delicate fragrance and come in all shades and coloring. Long stems and luxuriant foliage.
Trade pkt., **$1.00;** ¼ oz., **$4.00;** oz., **$10.00.**

Popular Pansy Colors

Adria. (Swiss). Large flowers of a rich dark blue, deeper than Swiss Blue.

Alpenglow. (Swiss). Rich wine-red shades.

Berna. (Swiss). Dark violet-blue.

Blue. (Swiss). (Ullswater, Thuner Sea). The most distinct rich ultramarine blue with darker blotches.

Coronation Gold. (Swiss). Perfectly round golden-yellow flowers with slightly ruffled edges. The best pure yellow pansy.

Delft Blue. Porcelain-blue.

Firebeacon. (Swiss). Bright wallflower-red with a touch of orange.

Giant Orange. A perfectly round flower with overlapping petals of good substance. Vivid orange with the upper petals carrying a halo of golden yellow. The lower petal a deep orange.

Monch. (Swiss). Pure yellow, early flowering.

Raspberry Rose. (Swiss). A tint of pink best described as Raspberry Rose. The edges of the petal have a suggestion of lighter tone, while the blotch is the deep tone.

Rhinegold. (Swiss). Canary-yellow with dark blotches.

White. (Swiss). Creamy white, yellow eye.
Each of the above 12: trade pkt., **75c;** ⅛ oz., **$1.75;** ¼ oz., **$3.25;** oz., **$10.00;** ¼ lb., **$30.00.**

Paper White. Large flowers of pure white, comparing favorably to the Swiss.
Trade pkt., **$1.00;** ⅛ oz., **$3.00;** ¼ oz., **$5.00;** oz., **$18.00.**

Pay Dirt. Large golden yellow flower, some with dark rays, others with tiny dark faces. Fine growth habit. Quite resistant to Summer heat. Trade pkt., **$1.85;** 1/16 oz., **$3.30;** ⅛ oz., **$5.35.**

Marigold

For best results, seed should be sown from July to December. Plant in any house that can be kept free from frost. No insect pests.

Tall African Double Fistulosa, 3 ft.

(10,000 seeds per oz.)

An especially fine tall branching strain, bearing enormous flowers of the quilled type.

All Double Orange. Large perfectly formed flower heads of the quilled type coming almost 100% full-double. In our opinion, the finest long-stemmed cutflower strain. Preferred to Prince of Orange. Trade pkt., **30c;** ¼ oz., **55c;** oz., **$1.80;** ¼ lb., **$5.50.**

All Double Lemon. Identical to the above, except for the color which is a rich lemon-yellow. We prefer this to Lemon Queen. Trade pkt., **30c;** ¼ oz., **55c;** oz., **$1.80;** ¼ lb., **$5.50.**

Yellow Supreme. Rich creamy yellow, broad loose-leaved petals of honey fragrance. Trade pkt., **30c;** ¼ oz., **55c;** oz., **$1.80;** ¼ lb., **$5.50.**

Guinea Gold. Semi-double type with long loose petals. Brilliant shade of orange flushed with gold. 2½ ft. Trade pkt., **30c;** ¼ oz., **55c;** oz., **$1.80;** ¼ lb., **$5.50.**

Double Dwarf French

(About 9,000 seeds per oz.)

An early Fall planting, grown warm, will provide plants for early combination work.

Primrose Gem. Full-double blooms of rich primrose yellow, center tightly packed quill-like petals supported by larger guard petals. Compact plant, early and free flowering. Trade pkt., **35c;** ¼ oz., **55c;** oz., **$2.00;** ¼ lb., **$6.00.**

Color Magic. Brilliant colors of non-fading red to pure gold, many varied striped and mottled combinations in red and gold. Full double flowers, 2½ inches in diameter, dwarf compact plant. Valuable for combination work. 6 in. Trade pkt., **35c;** ¼ oz., **55c;** oz., **$2.00;** ¼ lb., **$6.00.**

Extra Dwarf Harmony. 6 in. Same color as Spry but dwarfer in habit. Trade pkt., **35c;** ¼ oz., **55c;** oz., **$2.00;** ¼ lb., **$6.00.**

Spry. Very light orange crested center and maroon outer petals. 9 in. Trade pkt., **35c;** ¼ oz., **55c;** oz., **$2.00;** ¼ lb., **$6.00.**

Sunkist. Attractive orange colored flowers, 1½ inches across, plant uniformly dwarf. Trade pkt., **35c;** ¼ oz., **55c;** oz., **$2.00;** ¼ lb., **$6.00.**

Petite Strain—All America Bronze Medal 1958

(Double Dwarf French)

This new class of Marigolds fills a much wanted need for an extra dwarf, uniformly even, early and free flowering strain for borders and mass effects.

Bred to remain dwarf under conditions where most Marigolds grow rangy, tall and wild.

Particularly desirable for the flat grower who has blooming plants to show his customer. Compact growth, 6 inches tall and 10 inches wide, free flowering, often 50 blooms per plant in full flower at one time. An ideal edging plant.

Petite Gold. **Petite Harmony.** **Petite Orange.**

Petite Yellow. While not in the All America Trials, this is now available and completes the color range.

Petite Mixed. Our own formula-blend which includes all the above colors.

Each of the above; trade pkt., **35c;** ¼ oz., **$1.35;** oz., **$4.00.**

DISCOUNTS ON FLOWER AND VEGETABLE SEEDS

CASH—UNDER $5.00 net		CHARGE—UNDER $5.00 net	
$ 5.00 to $ 25.00,	5%	$ 5.00 to $ 25.00,	3%
25.00 to 100.00,	8%	25.00 to 100.00,	6%
100.00 to 150.00,	10%	100.00 to 150.00,	8%
150.00 to 200.00,	12%	150.00 to 200.00,	10%
200.00 to 300.00,	15%	200.00 to 300.00,	13%

If paid within ten (10) days of invoice date, deduct an additional 2%.

Phlox Drummondi Grandiflora

(15,000 seeds per oz.)

These grandiflora varieties make fine cut flowers. For best results, sow seed where you want them to bloom.

Alba. White.
Chamois Rose.
Cinnabar Scarlet. Brightest red.
Crimson.
Flaming Velvet. Deep velvety red.
Isabellina. Buff yellow.
Rosea. Medium rose-pink.
Violet Blue.

Each of above: Trade pkt., **40c;** ¼ oz., **85c;** oz., **$2.60.**

Vaughan's Special Annual Mixture. Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Trade pkt., **40c;** ¼ oz., **85c;** oz., **$2.70.**

Gigantea Art Shades. Trade pkt., **45c;** ¼ oz., **$1.20;** oz., **$3.60.**

Dwarf Master Blend®

Comes into bloom early while plants are very small and continues throughout the season. A complete color range, including self colors as well as eyed florets. The perfect strain for pot and combination work, excellent for use in the border. Trade pkt., **75c;** ⅛ oz., **$1.25;** ¼ oz., **$2.00;** ½ oz., **$3.50;** oz., **$6.00.**

Vaughan's Beauty—8 in.

Mixed. A fine strain of Large Flowering Dwarf Phlox, especially recommended for pot culture, combinations and border planting. Plants grow about 8 inches high, compact, and very free blooming. A formula-blend including all the separate colors. Trade pkt., **50c;** ¼ oz., **$1.50;** oz., **$4.50.**

Dwarf Jewel-like Phlox

"Twinkle" Dwarf Star Mixed. A dwarf compact form of the older popular Cuspidata or star type, with pointed petals, freely produced on dwarf compact plants. A wide range of color which includes solids as well as many bicolors. For bedding, pots, borders and combination work. Recommended for the flat grower who can have it in full flower for early sales. Trade pkt., **75c;** ⅛ oz., **$1.25;** ¼ oz., **$2.00;** ½ oz., **$3.50;** oz., **$6.00.**

Primula Malacoides (Baby Primrose)

(12,000 seeds per 1/32 oz.)

Improvements in this Baby Primrose class have made it indispensable for Florist's use. Seed may be sown from May until October for Spring blooming pot plant sales. Sow in sterile soil.

Our strain is grown especially for us by a Primula Specialist.

Glory of Riverside Improved. True rose-pink, a strong grower and without a doubt, the most valuable variety for all purposes.
Mrs. Eriksson of Riverside. Large flowers of deep rose-red.
White Giant. (Pure White). Large pure white flowers on strong stems; good for combinations.
Malacoides Special Mixed. A formula-blend.
Each of the above: trade pkt., **$1.25;** 1/64 oz., **$2.75;** 1/32 oz., **$5.25.**

Primula Obconica

(4,000 seeds per 1/32 oz.)

Grandiflora Avalanche. White.
Dark Blood Red.
Sky-Blue (Konigsee). Extra-large flowers.
Fasbender Red. Flowers rich deep red of enormous size. Outstanding variety.
Mueller's (Berlin) Rose.
Mixed, many colors.
Each of the above: trade pkt., **$1.25;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00.**
Gigantea Wyaston Wonder Crimson. Huge heads of flowers carried on strong stems well above the foliage. In spite of the vigorous growth they make a compact and tidy plant. Trade pkt., **$1.25;** 1/64 oz., **$3.30;** 1/32 oz., **$6.00.**

Primula Chinese Giant

Vaughan's Special Mixture. Trade pkt., **$1.25;** 1/64 oz., **$2.00.**

F-1 and All Double Petunias growing in 3 inch square Val-Peat ® Pots.

★F-1 Hybrid Petunia Varieties

(About 6000 seeds per 1/64 oz.)

The F-1 Hybrid Petunia combines freedom of bloom and strong sturdy plants with a compactness of habit that makes them especially desirable to the pot and bedding plant grower. Color lines are uniform and the flowers are of good size and substance. The base branching plants average 12 to 18 inches in height.

1959 PREVIEW OF NEW PETUNIAS

To be featured in our 1959 list—you will want them for your bedding plant customers. Order now and be sure of your supply. Bright, interesting new varieties that are sure to sell.

Aristocrat. (F-1 Grandiflora). Well fringed flowers of pure white with contrasting yellow throat. Early flowering, freedom of bloom and a dwarf compact habit combine to make this the finest of whites. A Vaughan Introduction.

Pink Desire. (F-1 Grandiflora). A clear bright pink. The ruffled flowers are 100% grandiflora and come into bloom early. Very uniform and compact in its growing habit, the plant will attain a height of 12 inches. Exceptionally fine for bedding and pots, being extremely free flowering. A Vaughan Introduction.

Scarlet Lustre. (F-1 Grandiflora). Brilliant scarlet-red highlighted by a rich yellow throat. Large flowers with waved and ruffled edges. Plant weakness, so often found in the red grandifloras, has been corrected and this husky F-1 hybrid is not only beautiful but vigorous and generous of bloom.

Each of the above 3: 1/2 trade pkt., **$1.75;** trade pkt., **$3.00;** 1/128 oz., **$5.50;** 1/64 oz., **$10.00;** 1/32 oz., **$19.00;** 1/16 oz., **$36.00;** 1/8 oz., **$69.00;** 1/4 oz., **$129.00.**

Sabre Dance. (F-1 Grandiflora). Huge bright crimson and white flowers, 4 1/2 inches across, mostly with white star pattern. Ruffled, extra large flowers borne on dwarf, compact, very vigorous plants. Exciting, new and different.
1/2 trade pkt., **$1.35;** trade pkt., **$2.50;** 1/128 oz., **$4.50;** 1/64 oz., **$8.00;** 1/32 oz., **$15.50;** 1/16 oz., **$30.00;** 1/8 oz., **$57.00;** 1/4 oz., **$108.00.**

Satellite. (F-1 Multiflora). Out of the space-age comes this new interesting Petunia. Brilliant rose with perfect white star. Dwarf compact plant habit, vigorous grower and very free flowering.
1/2 trade pkt., **$1.00;** trade pkt., **$1.75;** 1/128 oz., **$3.50;** 1/64 oz., **$6.50;** 1/32 oz., **$12.00;** 1/16 oz., **$20.00;** 1/8 oz., **$35.00;** 1/4 oz., **$60.00.**

OUR RECOMMENDATIONS, indicated by a star (★), are based on personal observations by members of our staff in the growing fields of our seed suppliers. Extensive checks made at our Trial Grounds. Consumer demand.

F-1 Hybrid Grandifloras

Flowers average 3 1/2 to 4 inches across with a plant spread of 20 to 24 inches. 12 to 15 in. Large flowers well fringed, except as noted.

Ballerina. Soft glowing salmon.

Crusader. Gaily striped rose-pink on white. Holds color variegation under trying soil and weather conditions.

Fire Dance. Deep scarlet-red with contrasting throat of rich gold.

La Paloma. White with yellow throat.

Maytime. Clear light salmon-pink.

Minstrel. Large blooms of white marked with rich blue. Distinct.

Prima Donna. Bright rose pink.

Serenade. Rich violet-blue with contrasting cream-white stamen. Vaughan Introduction.

Snow Cap (Plain Edge). Pure white. A bit later than White Magic.

Tango. Deep salmon shading to scarlet salmon nearer throat.

White Magic. An early pure white. Large ruffled blooms.

Ballet. Our own **"formula-blend"** which includes all the grandiflora varieties.

Each of the above 12. 1/2 Trade pkt., **$1.35;** Trade pkt., **$2.50;** 1/128 oz., **$4.50;** 1/64 oz., **$8.00;** 1/32 oz., **$15.50;** 1/16 oz., **$30.00;** 1/8 oz., **$57.00;** 1/4 oz., **$108.00.**

Fairyland. Fringed flowers of light salmon pink. 8 in.

Fire Gleam (Fringed). The rich deep salmon of Tango with slightly larger more fringed flower.

Flirt. Clear pink.

Each of the above 3. 1/2 trade pkt., **$1.00;** trade pkt., **$1.75;** 1/128 oz., **$3.50;** 1/64 oz., **$6.50;** 1/32 oz., **$12.00;** 1/16 oz., **$20.00;** 1/8 oz., **$35.00;** 1/4 oz., **$60.00.**

F-1 Hybrid Multifloras (Bedding)

Flowers average 2 1/2 inches across with a plant spread of 18 inches.

Aztec. Scarlet salmon with gold throat.

Comanche. Deep scarlet-red.

Inca. Bright rose-red with gold throat.

Linda. (Improved Silver Medal). Clear light salmon pink with pronounced sheen.

Mohawk. Bright rose pink.

Pale Face. Pure white.

Sioux. Medium salmon tone.

Mixed. Not an ordinary mixture but a **Formula-Blend** which includes the above and others from the Introducer's Workshop.

Each of the above 8. 1/2 trade pkt., **$1.00;** trade pkt., **$1.75;** 1/128 oz., **$3.50;** 1/64 oz., **$6.50;** 1/32 oz., **$12.00;** 1/16 oz., **$20.00;** 1/8 oz., **$35.00;** 1/4 oz., **$60.00.**

Pink Satin. Intense rose-pink with white blotch deep in the throat.

Red Satin. More brilliant than Comanche.

Each of the above 2: 1/2 trade pkt., **$1.25;** trade pkt., **$2.25;** 1/128 oz., **$4.00;** 1/64 oz., **$7.50;** 1/32 oz., **$14.50;** 1/16 oz., **$26.00;** 1/8 oz., **$46.00;** 1/4 oz., **$82.00.**

Glitters (Multiflora). Rich Fire Chief red background with distinct white stripe. 1/2 Trade pkt., **$1.35;** Trade pkt., **$2.50;** 1/128 oz., **$4.50;** 1/64 oz., **$8.00;** 1/32 oz., **$15.50;** 1/16 oz., **$30.00;** 1/8 oz., **$57.00;** 1/4 oz., **$108.00.**

Brilliancy. Brilliant crimson red with carmine shading. Bright. 1/2 trade pkt., **$1.00;** trade pkt., **$1.75;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00;** 1/16 oz., **$9.00;** 1/8 oz., **$16.75;** 1/4 oz., **$30.00.**

PETUNIA Dwarf California Giants Master Blend®

SINGLE SMALL-FLOWERED DWARF SORTS

(260,000 seeds per oz.)

Admiral. Extra reselected. This is the best dwarf rich violet blue Petunia with waved flowers, of good size and even growth. Trade pkt., **85c;** 1/64 oz., **$1.50;** 1/32 oz., **$2.75;** 1/16 oz., **$5.00;** 1/8 oz., **$9.50;** 1/4 oz., **$17.00.**

Celestial Rose Improved. Definitely superior to the regular Celestial Rose, slightly dwarfer in habit and larger flowered. Unquestionably the best available strain of this fine pot plant item. Trade pkt., **60c;** 1/8 oz., **$1.10;** 1/4 oz., **$2.00;** oz., **$6.60.**

Elk's Star. A starred Petunia of exceptional merit. The blue-purple flowers, of Howard's Star type, are all uniformly marked with pure white star. Plants, 12 to 15 inches, make an even upright growth and the flowers cover the plant. Trade pkt., **50c;** 1/8 oz., **$2.75;** 1/4 oz., **$5.00.**

Fire Chief. A brilliant scarlet red, entirely new in this class. Plants dwarf and compact, very free flowering over a long season of bloom. Trade pkt., **50c;** 1/16 oz., **$1.75;** 1/8 oz., **$3.00;** 1/4 oz., **$5.00.**

King Henry (Dwarf Flaming Velvet). Large flowers of a rich velvety blood-red color. Very free flowering. Dwarf compact habit. Trade pkt., **60c;** 1/32 oz., **$1.45;** 1/16 oz., **$2.75;** 1/8 oz., **$5.25;** 1/4 oz., **$10.00.**

Lipstick. Medium sized single flowers of rich carmine rose with a suggestion of salmon, which shows resistance to fading. Plants are compact, 12 to 14 in. Trade pkt., **50c;** 1/16 oz., **$1.40;** 1/8 oz., **$2.20;** 1/4 oz., **$4.00.**

Rosy Morn Select. Pink with white throat. Trade pkt., **50c;** 1/8 oz., **$1.00;** 1/4 oz., **$1.75;** oz., **$5.50.**

Sky Chief. The soft color of Silver Blue and compact habit of Snowball Improved have been combined in this new Petunia. Flowers of good size, freely produced on compact plants. Shows less tendency to fade under warm conditions than older strains. Trade pkt., **60c;** 1/8 oz., **$1.65;** 1/4 oz., **$3.00;** oz., **$9.00.**

Snowball Improved. An outstanding Bedding White. Good size flowers on compact plants; very free flowering with a long season of bloom. Trade pkt., **50c;** 1/8 oz., **$1.00;** 1/4 oz., **$1.75;** oz., **$5.50.**

Vaughan's Special Dwarf Mixture. A formula-blend of perfect color balance. Trade pkt., **50c;** 1/8 oz., **$1.00;** 1/4 oz., **$1.75;** oz., **$5.50.**

For complete list see Spring Catalog

PETUNIA GIANT-FLOWERING SINGLE

(About 2,600 seeds per 1/64 oz.)

Flowers measure from 5 to 7 inches across.

DWARF CALIFORNIA GIANTS

★**Master Blend®.** The best strain of giant-flowered Petunias for pot culture and bedding. Flowers of largest size appear on dwarf plants. Blooms when plants are very small, so salable plants are quickly produced. They are bushy, 12 inches high and bear ruffled flowers freely. Warm colors predominate. 1/2 Trade pkt., **$1.00;** Trade pkt., **$1.75;** 1/64 oz., **$3.00;** 1/32 oz., **$5.50;** 1/16 oz., **$10.00;** 1/8 oz., **$19.00;** 1/4 oz., **$35.00.**

Dark Selection. A favorite with many growers and it has given universal satisfaction. Trade pkt., **$1.25;** 1/64 oz., **$2.50;** 1/32 oz., **$4.50;** 1/16 oz., **$8.00;** 1/8 oz., **$14.00;** 1/4 oz., **$25.00.**

★**Extra Dwarf Giants of California.** This strain has been bred to fill the need for a truly dwarf pot Petunia. The color range has also been greatly improved and brightened. 1/2 Trade pkt., **$1.50;** trade pkt., **$1.75;** 1/64 oz., **$3.50;** 1/32 oz., **$6.00;** 1/16 oz., **$11.00;** 1/8 oz., **$20.00;** 1/4 oz., **$36.00.**

RUFFLED GIANTS WITH LARGE-VEINED THROATS

Giants of California Mixed. This is a most superb mixture, not at all to be compared with the seed usually offered. Trade pkt., **75c;** 1/64 oz., **$1.35;** 1/32 oz., **$2.50;** 1/16 oz., **$4.50;** 1/8 oz., **$8.00.**

LARGE SINGLE FRINGED

(About 7,800 seeds per 1/32 oz.)

Flowers 3 to 4 inches across.

Theodosia. Re-selected. Large flowered, fringed, rosy pink with a clearly defined, golden throat. Fine for window boxes. Trade pkt., **85c;** 1/64 oz., **$2.00;** 1/32 oz., **$3.30;** 1/16 oz., **$5.75;** 1/8 oz., **$11.00;** 1/4 oz., **$20.00.**

Fluffy Ruffles. Very large flowers, finely fringed and ruffled. A perfectly balanced mixture of pinks, white, salmon, deep rose, crimson and light blue. Outstanding in our Trials. Trade pkt., **50c;** 1/32 oz., **$2.00;** 1/16 oz., **$3.60;** 1/8 oz., **$6.75.**

Little Giants Mixed. (Ruffled Nana Compacta). 8–12 in. tall. The medium sized, well ruffled and waved, deep-throated flowers continue to keep the plants completely covered. The unusually attractive colors range from deep crimson to white in every imaginable shade. Trade pkt., **85c;** 1/64 oz., **$1.55;** 1/32 oz., **$2.75;** 1/16 oz., **$5.00.**

LARGE SINGLE PLAIN EDGED

(7,800 seeds per 1/32 oz.)

Dwarf Elk's Pride. Re-selected. Velvety violet. Trade pkt., **85c;** 1/64 oz., **$2.00;** 1/32 oz., **$3.30;** 1/16 oz., **$5.75;** 1/8 oz., **$11.00;** 1/4 oz., **$20.00.**

Dwarf Pink Glory. Compact habit, pure flame rose-pink. Trade pkt., **85c;** 1/64 oz., **$2.00;** 1/32 oz., **$3.30;** 1/16 oz., **$5.75;** 1/8 oz., **$11.00;** 1/4 oz., **$20.00.**

Popcorn. Large pure white flowers. Plant is dwarf and compact, retaining its habit throughout the entire blooming season. Very free flowering. Excellent for pot work or bedding. Trade pkt., **$1.50;** 1/64 oz., **$2.75;** 1/32 oz., **$5.00;** 1/16 oz., **$9.50;** 1/8 oz., **$18.00;** 1/4 oz., **$33.00.**

Royalty. The immense ruffled and waved blossoms vary from pure white touched with purple through varying combinations of purple and white to rich self-colored blooms. Often blossoms of all these combinations appear on one plant. Trade pkt., **85c;** 1/64 oz., **$2.00;** 1/32 oz., **$3.30;** 1/16 oz., **$5.75;** 1/8 oz., **$11.00;** 1/4 oz., **$20.00.**

Snow Storm Improved. Flowers are the purest white and the uniformity of the dwarf compact growth is marvelous. Trade pkt., **85c;** 1/64 oz., **$2.00;** 1/32 oz., **$3.30;** 1/16 oz., **$5.75;** 1/8 oz., **$11.00;** 1/4 oz., **$20.00.**

White Cloud. 12 in. A great favorite on account of its dwarf compact habit. Trade pkt., **85c;** 1/64 oz., **$2.00;** 1/32 oz., **$3.30;** 1/16 oz., **$5.75;** 1/8 oz., **$11.00;** 1/4 oz., **$20.00.**

PETUNIA ALL—DOUBLE TYPE

Double Petunias

PAN AMERICAN STRAIN

An American Grown Strain of great brilliance. The flowers are large, 3½ to 4 inches across, full-double and well fringed. Plants dwarf and compact. Recommend pinching for more dwarfness and better branching. Exceptionally fine for pot plants. 2,500 seeds per 1/128 oz.

★**Allegro Improved.** Deep salmon.
★**Caprice Improved.** Bright rose.
Minuet. Orchid-lavender. Shows some variegation.
Nocturne. Deep mid-night purple.
Rhapsody. Deep burgundy wine-purple.
★**Sonata.** Pure white. Fine for Mother's Day.
Each of the above, ½ Trade pkt., **$2.75;** Trade pkt., **$4.50;** 1/128 oz., **$8.50;** 1/64 oz., **$16.00;** 1/32 oz., **$29.50;** 1/16 oz., **$58.00.**
Glorious Mixture. A **formula-blend** of straight colors. We recommend pinching the taller plants to induce better branching and more even dwarfness. Truly an outstanding blend. ½ Trade pkt., **$2.25;** Trade pkt., **$4.00;** 1/128 oz., **$7.50;** 1/64 oz., **$14.50;** 1/32 oz., **$28.00;** 1/16 oz., **$55.50.**

ALL DOUBLE DWARF (Victorious) FRINGED

The well doubled, fringed flowers, averaging 3½ in. across, are freely produced on plants that are bushy and dwarf. An attractive pot plant strain. 10 in. 2,000 seeds per 1/128 oz.

Attraction. Brightest carmine-rose and white combination.
★**Blue Brocade.** True violet blue.
★**Gaiety.** A bicolor, light rose-red with white ground. Lighter in tone than Attraction.
Pure White Improved (Snowball). Pure white.
★**Rosy Carmine Improved** (World Beauty or Pink Perfection). Bright rose, very popular among pot plant growers.
★**Sunset Giant.** Brilliant deep salmon shaded scarlet; full double well fringed flowers. Very bright.
★**White Swan.** The largest white in this All Double group. Flowers measure fully 4½ inches across in its full-double, well fringed form.
All Double Dwarf Giant Fringed Mixed (Victorious). Included in our mixture are separate colors which give you a better balanced color range than usually found in blends of this sort.
Each of the above 8: ½ Trade pkt., **$2.25;** Trade pkt., **$4.00;** 1/128 oz., **$6.50;** 1/64 oz., **$12.00;** 1/32 oz., **$22.00;** 1/16 oz., **$40.00.**

DOUBLE LARGE-FLOWERING

★**All Double Vaughan's Formula Mixture.** A blend of the best All Double Mixtures now available, to which have been added separate colors in the right proportions. ½ Trade pkt., **$2.25;** Trade pkt., **$4.00;** 1/128 oz., **$7.50;** 1/64 oz., **$14.50;** 1/32 oz., **$28.00;** 1/16 oz., **$55.50.**

PETUNIAS—continued

OTHER POPULAR ALL DOUBLES

★**Colossal Shades of Rose Improved.** Giant double blooms up to 5 inches or more across on vigorous compact plants. Containing 80% rose and new salmon shades. Make fine 4 to 5 inch pot plants for Easter, Mother's Day and spring combinations. ½ Trade pkt., **$2.50;** Trade pkt., **$4.00;** 1/128 oz., **$7.60;** 1/64 oz., **$14.45;** 1/32 oz., **$28.00;** 1/16 oz., **$55.00.**

★**All Double Canadian Mixture.** Full double flowers which includes rose, pink, salmon, white and mauve. ½ Trade pkt., **$2.50;** Trade pkt., **$4.00;** 1/128 oz., **$7.60;** 1/64 oz., **$14.45;** 1/32 oz., **$28.00.**

★**All Double America Improved** (Double Small Flowering). A rich rose-pink slightly deeper in color than the original with flowers of larger size coming more uniformly full-double. Extremely free flowering; excellent for bedding and cutting. ½ Trade pkt., **$1.35;** Trade pkt., **$2.50;** 1/128 oz., **$4.50;** 1/64 oz., **$8.00;** 1/32 oz., **$14.50;** 1/16 oz., **$28.00;** 1/8 oz., **$55.50.**

Saintpaulias

(AFRICAN VIOLET SEED)

Hybrids. Flowers are in varied shades of blue, lilac and pink; the plants dwarf, bushy and compact with leaves of dark green. Trade pkt., **$1.50.**

Schizanthus

(50,000 seeds per oz.)

Use Schizanthus flowers in corsages. They are long lasting and make up very attractively.

★**Vaughan's Dwarf Masterpiece.** The plants grow dwarf and compact, making them most suitable for pot culture. The color range of the flowers, which are of good size, is the most varied, from light pink and rose, to a pleasing dark violet, with conspicuous blotches. Trade pkt., **60c;** 1/16 oz., **$1.10;** 1/8 oz., **$1.80.**
Wisetonensis Monarch Strain. The finest strain of large flowered hybrids. Trade pkt., **60c;** 1/8 oz., **$1.35;** 1/4 oz., **$2.20;** oz., **$6.60.**
Dr. Badger's Hybrids. Is compact, grows 8-10 in. high. Brilliant colors. Trade pkt., **35c;** 1/4 oz., **$1.00;** oz., **$3.00.**

For outdoor sowing in Southern States

NOT for Greenhouse forcing

Snapdragon

(About 220,000 seeds per oz.)

Tall Rust Resistant Strains 2½ ft.

We have revised our Rust Resistant Snapdragon listing in line with breeding work being done by various introducers.

Appleblossom. Rosy pink, white tube.
Brilliant Rose. True rose pink.
Campfire. Luminous scarlet.
Cherry Rose. A deep brilliant cherry rose.
Copper Queen. Burnished copper.
Loveliness. Pure soft rose pink.
Padre. (Crimson). Glossy crimson, dark stems.
Pink Sensation. Pure pink, frilled flowers.
Red Cross. Glowing velvet-crimson.
Rosalie. Rich deep rose with underlying tone of topaz or amber.
Shasta (Alaska). Pure white.
Yellow Jacket. (Canary Yellow—Yellow Giant). Deep canary yellow.
Vaughan's Tall Rust Resistant Mixture. Our own formula-blend in just the right color proportions.
Each of the above: Trade pkt., **30c;** 1/4 oz., **$1.00;** oz., **$3.00;** 1/4 lb., **$9.00.**

SALVIA Splendens America

Salvia Splendens

(7,500 seeds per oz.)

Sow seed in flats and give bottom heat, as this helps germination of seed considerably. **New crop available about November 1st.**

We have divided this family into three groups. Dwarf, Medium and Tall, listing them according to their flowering dates, the earliest in each group being first.

DWARF

Fireball. An extra early, base branching Salvia coming into flower a week to ten days before St. John's Fire. Of dwarf, compact habit, it is exceptionally fine for pots and especially early blooming for flats. Trade pkt., **$1.50;** ⅛ oz., **$2.25;** ¼ oz., **$4.00;** oz., **$12.00.**

★**St. John's Fire.** The most popular early dwarf red. Our own reselected strain coming into flower early, while plants are but a few inches tall, remaining in flower until frost. The bright scarlet spikes stand densely and rigidly upright above the foliage on uniformly compact plant. Trade pkt., **90c;** ¼ oz., **$2.75;** oz., **$8.50;** ¼ lb., **$25.00.**

Blaze of Fire. Early and free flowering, coming into bloom shortly after St. John's Fire. Trade pkt., **85c;** ¼ oz., **$2.50;** oz., **$7.25;** ¼ lb., **$22.00.**

MEDIUM

Harbinger (Masterpiece). The earliest of this group to flower. Scarlet, 16 in. Trade pkt., **75c;** ¼ oz., **$2.00;** oz., **$6.00;** ¼ lb., **$18.00.**

★**America.** (Globe of Fire.) The favorite of many growers. Plants grow about 18 inches high, in uniform dense globe-shaped bushes. Trade pkt., **60c;** ¼ oz., **$1.50;** oz., **$5.00;** ¼ lb., **$15.00.**

Rose Flame. Rich coral pink. Trade pkt., **75c;** ¼ oz., **$2.00;** oz., **$6.00.**

TALL

Clara Bedman (Bonfire.) Erect habit, the old stand-by. Dark green foliage. Trade pkt., **60c;** ¼ oz., **$1.50;** oz., **$5.00;** ¼ lb., **$15.00.**

Splendens Type (Scarlet Sage). Tall growing, scarlet. 24 to 30 in. Trade pkt., **50c;** ¼ oz., **$1.25;** oz., **$4.00;** ¼ lb., **$12.00.**

Thunbergia

(1,100 seeds per oz.)

Mixed. Fine climber or trailer for window boxes and hanging baskets. Flowers in shades of yellow, buff and orange, black centered. Trade pkt., **30c;** ¼ oz., **60c;** oz., **$1.75.**

STREPTOCARPUS Wiesmoor Hybrids

★ Streptocarpus (Cape Primrose)

Wiesmoor Hybrids. The flowers are well fringed and crested, very large, 4 to 5 inches across. Unlike the older strains, the leaves of this new one are smaller, making it more adaptable to potting. The color range is most complete, pink, in all its shades and variations, deepest red, blue shades and white with dark blotches.

The plants flower abundantly and early. January seedlings will bloom by June. By successive sowings from October to March, blooming plants will be available all year round for sale or cutting.

Seeds are small and require but very little covering. For soil, use the same as that in which Gloxinias thrive. At its best in the ordinary greenhouse and should be grown rather cooler than Gloxinias. Trade pkt., **$1.25;** 3 Trade pkts., **$3.25;** 5 Trade pkts., **$5.25.**

TORENIA Fournieri

★ Torenia

(375,000 seeds per oz.)

Fournieri. Makes a fine pot plant for Mother's Day sales. Also good in combination baskets. Flowers blue with dark blotches on lip. 12 in.

Fournieri White.

Each of the above: Trade pkt., **60c;** ⅛ oz., **$1.25;** ¼ oz., **$2.25.**

Forcing Snapdragons

The final criterion of a "good Snap" is its ability to produce a profitable crop at a minimum of cost. The **cost conscious** grower is learning more and more to appreciate savings effected by the use of the latest Hybrid introductions which respond so well to direct benching of small seedlings, single stem culture with closer spacing, improved vigor of plant, increased uniformity and cleaner growth as well as lower temperature tolerance.

Efficiency in Snapdragon Varieties for Greater Profit

Yoder Bros., Barberton, Ohio

The classification of Snapdragon varieties should be based on their response to a given temperature.

Many of our so-called winter flowering varieties are outstanding in the spring program. Many of the so-called spring varieties can be flowered in winter if the higher proper temperature and longer timing environments are provided. The summer, high temperature group, (we call them slow or hot weather varieties) requires the higher temperature for maximum performance.

Given night minimums of 46° the first, **fast group** tolerates the low temperature and produces high quality to most efficient advantage. The second, **intermediate group** flowers very slowly and frequently unevenly. The third, **slow group** (we call them hot weather varieties) often goes blind or becomes extremely vegetative.

Given night minimums of 50° the **fast group** flowers rapidly. Under low light conditions spikes are often too short and non-continuous. With the brighter days of early spring, performance is markedly improved. The **intermediate group** requires this minimum for winter flowering and tolerates well somewhat higher temperatures for spring crops. The **slow group** (we call them hot weather varieties) continues to vegetate.

Given night minimums of 54° and higher the **fast group** is forced too rapidly with premature flowering on shortened, thin stems. The **intermediate varieties** also mature too rapidly. Short spikes and lowered quality are the result. The **slow group** (we call them hot weather varieties) elongates uniformly and achieves maximum performance with this environment.

The most efficient snapdragon programs utilize the **fast varieties** for flowering during the winter and spring.

Growing the **intermediate varieties** during these periods is more costly in terms of growing time and required temperature.

The **slow group** (hot weather varieties) is best restricted to summer high temperature flowering.

The recommendations are based on bench culture.

RECOMMENDED FLOWERING PERIODS

Variety	Response Group	Dec.	Jan.	Feb.	Mar.	Apr.	May
Ivory White							
Citation	Fast	X X	X X	X X	X X	X X	X
Margaret	Fast	X X	X X	X X	X X	X X	X
Apollo	Inter.		X	X X	X X	X X	X
Twenty Grand	Inter.		X	X X	X X	X X	X
White							
White Knight	Fast	X	X X	X X	X X	X X	
Albion	Fast	X	X X	X X	X X	X X	X
Spartan White	Inter.		X X	X X	X X	X X	X
Snowman	Inter.				X X	X X	X
Tommy Armstrong	Inter.				X X	X X	X
Yellow							
Swaps	Fast		X X	X X	X X	X X	
War Admiral	Fast	X X	X X	X X	X X	X X	X
Patricia	Fast	X X	X X	X X	X X	X X	X
Seabiscuit	Fast	X X	X X	X X	X X	X X	X
Gold Rush	Fast	X	X X	X X	X X	X X	X
Broker's Tip	Inter.	X X	X X	X X	X X	X X	X X
Golden Spike	Inter.				X X	X X	X
Bronze							
Barbara	Fast	X X	X X	X X	X X	X X	X
Gallant Fox	Fast		X X	X X	X X	X X	X
Cavalcade	Fast		X X	X X	X X	X X	X
Red							
Man-O-War	Fast	X	X X	X X	X X	X	
Priscilla Ann	Fast	X	X X	X X	X X	X	
Navajo	Inter.				X X	X X	X
Lavender							
Lavender Lady	Inter.				X X	X X	X
Windmiller Lilac	Inter.				X X	X X	X
Light Pink							
Nashua	Fast		X X	X X	X X		
Top Flight	Fast		X X	X X	X X	X X	X
Rosebud	Fast	X X	X X	X X	X X	X X	X
Rebecca	Fast	X X	X X	X X	X X	X X	X
Maryland Pink Improved	Fast	X X	X X	X X	X X	X X	X
Whirlaway	Fast		X X	X X	X X	X X	
Christina	Inter.		X X	X X	X X	X X	X
Native Dancer	Inter.	X X	X X	X X	X X	X X	X
Chevy Chase Pink	Inter.		X X	X X	X X	X X	X
Mary Ellen	Inter.		X X	X X	X X	X X	X
Medium Pink							
Wintergreen	Fast	X X	X X	X X	X X	X X	X
Anne Marie	Inter.		X X	X X	X X	X X	X
Pink Ice	Inter.		X X	X X	X X	X X	X
Rose							
Rosanna	Fast	X X	X X	X X	X X	X X	X
New Times	Fast	X X	X X	X X	X X	X X	X
Libby	Inter.		X X	X X	X X	X X	X
Bridesmaid	Inter.		X X	X X	X X	X X	X
Spartan Rose	Inter.		X X	X X	X X	X X	X

Time Table for Snapdragon Flowering Schedules

(60° minimum sowing temperature)
(46-48° minimum growing temperature)

Response Group	Sow	Plant	Spacing	Flowering
Fast	8/13	8/30	4 x 5	Dec. 13—Jan. 1
	8/23	9/13	4 x 5	Dec. 27—Jan. 15
	8/30	9/20	4 x 5	Jan. 10—Jan. 29
	9/2	9/23	4 x 5	Jan. 24—Feb. 12
	9/6	9/27	4 x 5	Feb. 7—Feb. 26
	9/13	10/4	4 x 5	Feb. 21—Mar. 12
	9/17	10/11	4 x 4	Mar. 7—Mar. 19
	9/24	10/18	4 x 4	Mar. 21—Apr. 2
	10/1	10/25	4 x 4	Apr. 4—Apr. 16
	11/8	12/6	4 x 4	Apr. 18—Apr. 30
	12/24	1/24	4 x 4	May 2—May 14
	1/7	2/7	4 x 4	May 16—May 28

(60° minimun sowing temperature)
(46-48° minimum growing temperature)

Response Group	Sow	Plant	Spacing	Flowering
Inter-mediate	8/13	8/30	4 x 5	Jan. 10—Jan. 29
	8/23	9/13	4 x 5	Jan. 24—Feb. 12
	8/30	9/20	4 x 5	Feb. 7—Feb. 26
	9/2	9/23	4 x 5	Feb. 21—Mar. 12
	9/6	9/27	4 x 4	Mar. 7—Mar. 19
	9/13	10/4	4 x 4	Mar. 21—Apr. 2
	9/17	10/11	4 x 4	Apr. 4—Apr. 16
	9/24	10/18	4 x 4	Apr. 18—Apr. 30
	10/1	10/25	4 x 4	May 2—May 14
	11/8	12/6	4 x 4	May 16—May 28
	12/24	1/24	4 x 4	May 30—June 4

Suggested Planting Schedule—J. S. Yoder & Son Varieties.
This schedule is based on ground bed culture.

SOWING DATES

	Aug. 1	Aug. 15	Sept. 1	Sept. 20	Oct. 15	Jan. 2
MAIN CUT						
Margaret	Nov. 28	Feb. 12	Mar. 18	Apr. 5	Apr. 20	May 20
Patricia	10	Jan. 1	12	Mar. 25	15	15
Rebecca	10	1	12	25	15	15
Priscilla Ann	10	1	10	22	15	15
Christina	10	15	15	28	20	20
Anne Marie	15	20	20	28	20	20
Mary Ellen	15	Feb. 12	18	Apr. 1	20	20
Barbara	25	Jan. 1	10	Mar. 22	15	15
Libby	Dec. 10	Feb. 20	20	Apr. 10	25	25

Forcing Snapdragons

(2,000 seeds per trade packet.)

SECOND SOWINGS are very important. These should be made between August 15th and October 1st for Spring Flowering, and the sowing date depends on whether you grow them Single Stem or Pinched Crop. The Hybrid varieties are outstanding for this purpose.

"Inbred" or self-pollinated sorts are marked; all others are true F-1 Hybrids

Bloom dates are based on reports from greenhouses in Chicago and Middle West Areas. We have classified as Fast (F) those varieties which show best results in November-December and on through the Spring months. The Intermediate (Inter.) varieties are those proving most satisfactory when flowered from January through April and May. Varieties marked HW are those especially developed for Summer (Hot Weather) flowering in the greenhouse from May through August and into September. No attempt should be made to flower these varieties when days are shorter and light intensity has decreased.

Conditions will vary with locality and we suggest you check for a couple of years and set up your own chart showing best performance under your own conditions.

LAVENDER

★**Lavender Lady.** Inter. Deep rosy lavender shade, excellent spikes and stem. ½ Trade pkt., **$2.00;** Trade pkt.,**$3.50.**

Windmiller's Lilac. (Inbred). Inter. A true orchid.
Trade pkt., **$2.00.**

RED

★**Man-O-War.** F. Intense red with a lightly suffused yellow lip. Very stocky, clean, uniform growth. Large florets with compact placement. Valuable for Christmas season. Recommended for late December through mid-April. Much earlier, more uniform and shorter than Navajo. Trade pkt., **$3.50.**

★**Navajo.** Inter. A bright true red. Should be sown a week earlier than other varieties for winter.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

Priscilla Ann. F. Velvety crimson.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

LIGHT PINK

★**Christina.** Inter. The best light rose pink hybrid, slightly deeper in color than Mary Ellen and with larger florets. A vigorous medium early variety with almost no side growth.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

★**Native Dancer.** Inter. A light rose pink with the greatest degree of vigor yet observed in mid-winter snapdragons. Very long spike on clean, strong stems. Compact placement of large florets. About 10 days later than Rosebud, supplementing it well in the same sowing and benching program. Recommend for mid-December through early May.
Trade pkt., **$3.50.**

★**Rebecca.** F. **(New).** A soft rose pink hybrid which in color is slightly lighter than Christina and earlier. Clean strong stem, almost no side growth, large florets closely set on stiff heavy stem. Combines a new color with characteristics that have made Christina so popular.
Trade pkt., **$3.50.**

★**Whirlaway.** F. Large florets, close spacing, long spike; a little deeper color than Mary Ellen.
Trade pkt., **$3.50.**

Chevy Chase Pink. Inter. Bright pastel pink, shade darker than Maryland Pink.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

Mary Ellen. Inter. Light rose pink.
½ Trade pkt., **$1.50;** Trade pkt., **$2.50.**

Maryland Pink Improved. F. Light creamy pink.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

Nashua. F. Light rose pink. Two weeks earlier than Rosebud. Large ruffled florets are compactly borne on hard, clean stems. Shatterproof.
Trade pkt., **$3.50.**

Rosebud. F. Soft pastel pink for Spring.
Trade pkt., **$3.50.**

Top Flight. F. Light rose-pink. Similar to Christina; slightly earlier.
Trade pkt., **$3.50.**

FORCING SNAPS—continued

MEDIUM PINK

★**Anne Marie.** Inter. Clear medium pink, slightly deeper than Christina. Medium sized florets closely set on stiff heavy stem; minimum of side growth. A little later than Christina but earlier than Libby.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

★**Wintergreen.** F. Light rose pink. Uniformly placed florets on compact spike. Stiff wiry growth with complete lack of grassiness.
Trade pkt., **$3.50.**

Pink Ice. Inter. Medium rose with lighter lips.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

ROSE

★**Libby.** Inter. A dark rose pink hybrid with very strong stem and vigorous growth. Good sized flowers set medium to close on long spikes.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

★**New Times.** F. Early bright deep Beauty rose, medium long spike, fine strong stem.
½ Trade pkt., **$1.75;** Trade pkt., **$3.00.**

Bridesmaid. Inter. Clear medium rose.
½ Trade pkt., **$2.00;** Trade pkt. **$3.50.**

Rockwood's Pink Supreme. (Inbred). H.W. Brilliant Rose Pink. Comes in earlier than Rockwood's Summer Pink; recommended for flowering during April, May and June. Trade pkt., **$2.00.**

Rockwood's Summer Pink. No. 1. (Inbred). H.W. A good medium pink. ½ Trade pkt., **$1.75;** Trade pkt., **$3.00.**

Rosanna. F. Deep bright rose.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

Spartan Rose. Inter. Medium deep rose, flowers with Margaret.
½ Trade pkt., **$1.75;** Trade pkt., **$3.00.**

Summer Jewel. H.W. A rich deep pink, a shade darker than Rockwood's Summer Pink and coming into flower five to seven days later. Vigor, uniformity, stem strength and spike length generally improve that variety. Compact floret spacing. Will not shatter. Trade pkt., **$3.50.**

YELLOW

★**Broker's Tip.** Inter. Deep yellow, medium sized florets, little or no side growth. Flowers after Seabiscuit and because of excellent color holding quality and vigorous stocky growth it is well adapted for continuing its flowering later into the Spring.
Trade pkt., **$3.50.**

★**Patricia.** F. Medium sized florets of rich yellow with full deep yellow lower lip are borne on long spikes. Vigorous grower and one of our most popular yellows for greenhouse and cloth-house culture.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

★**War Admiral.** F. Outstanding in vigor, uniformity and spike formation. In bloom about two weeks after Swaps. Closer spacing and somewhat larger florets. Trade pkt., **$3.50.**

★**Golden Spike.** Inter. Rich golden yellow with long stems and flowering spikes. Flowers in January from mid-July sowing.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

Dark Star. H.W. Deep clear yellow. Uniformity and earliness with distinct vigor give this variety top place in the Hot Weather Yellows. Growth clean, floret spacing compact. Is not subject to high temperature burn. Trade pkt., **$3.50.**

Goldrush. F. Deep Jonquil yellow.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

Potomac Yellow. H.W. Medium yellow. For summer flowering.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

Rockwood's Summer Yellow. (Inbred). H.W. A fairly deep yellow. ½ Trade pkt., **$1.75;** Trade pkt., **$3.00.**

YELLOW—Continued

Seabiscuit. F. Clear yellow. Follows Swaps and War Admiral.
Trade pkt., **$3.50.**

Swaps. (New) F. Comes in two weeks earlier than War Admiral. Flowering is uniform on clean hard stems. A true winter flowering Yellow. Trade pkt., **$3.50.**

WHITE

★**Albion.** F. Paper white, 10 to 14 days later than White Knight from same sowing and benching dates. Little heavier growth. Very valuable in maintaining a continuity of paper white when grown with White Knight. Clean growth, uniform long spikes.
Trade pkt., **$3.50.**

★**Snowman.** Inter. Pure white with no suggestion of ivory.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

★**White Knight.** F. Pure paper white. Compact spikes of well placed florets. Earlier than Snowman and Albion.
Trade pkt., **$3.50.**

★**Crystal White, Vaughan Strain.** (Inbred). H. W. Pure paper white, good floret spacing on long spike. Will not shatter.
½ trade pkt., **$1.75;** trade pkt., **$3.00.**

Crystal White. Yoder A Strain. (Inbred). H.W. The result of much reselection has brought to the grower a paper white Snap, very uniform in habit with compact floret spacing. Will not shatter.
Trade pkt., **$3.50.**

June Bride. H.W. Pure white. The first F-1 hybrid developed for late spring and summer single stem greenhouse use. A true "hot-weather" Snap. Hard, clean stems. Sow from January through June only. ½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

Potomac White. H.W. White. For summer flowering.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

Spartan White. Inter. Pure white, shatter resistant.
½ Trade pkt., **$1.75;** Trade pkt., **$3.00.**

Tommy Armstrong. (Inbred). Inter. Good white, closely spaced florets. Trade pkt., **$3.00.**

White Skies. H.W. A pure white Summer hybrid; quite tall and vigorous. Highly shatter proof.
Trade pkt., **$3.50.**

IVORY WHITE

★**Apollo.** Inter. Ivory white flowers, large and more vigorous than Margaret.
Trade pkt., **$3.50.**

★**Citation.** F. Very large ruffled florets of ivory white compactly spaced on long spikes. Uniform, vigorous grower. Comes in before Margaret, Apollo or Twenty Grand.
Trade pkt., **$3.50.**

★**Margaret.** (Inbred). F. A winter-blooming ivory white. The stem is exceptionally stiff and there is almost no side growth. The florets are of medium size; last a long time and do not shed.
Trade pkt., **$2.00.**

★**Twenty Grand.** Inter. A medium early winter flowering ivory white; a fine keeper.
Trade pkt., **$3.50.**

BRONZE SHADES

★**Barbara.** F. The large bronze florets, with pink throat and bright bronze lips, are borne on long spikes. Vigorous grower.
½ Trade pkt., **$2.00;** Trade pkt., **$3.50.**

★**Gallant Fox.** F. Deep orange bronze, strong, vigorous grower; compact floret placement; a little earlier than Barbara. Trade pkt., **$3.50.**

Cavalcade. F. Lively golden bronze. Trade pkt., **$3.50.**

Greenhouse Varieties Vaughan's Special Mixture. With pinks predominating. Includes the more popular open pollinated and F-1 Hybrid varieties. Trade pkt., **$1.25.**

Snapdragons in Vaughan's Val-Peat Pots®

Snapdragon plants cannot be kept in good condition in a 2½" pot for over 30 days and during warm bright weather the length of time in pots should be shortened considerably.

If you still use this method, instead of benching seedlings direct, **go modern** and plant them in 1¾" square Vaughan's Val-Peat Pots.® This method saves you pot removal, gives faster growth and you will have a better plant with larger leaf area than those in pots.

The Best in Double Stocks

Stocks are easily grown and a profitable cutflower item. Thoroughly sterilize soil and benches before sowing as precaution against root-rot. Seed may be safely sown in our area from mid-July to mid-February. Later sowings tend to show blindness. From an August sowing the first flowers may be cut at Christmas, if given additional lighting (40 to 60 watt lamps spaced 5 ft. apart). Normal flowering for such a planting is January. Successive sowings insure a continuity of bloom.

The Non-Branching or Column Stock is most generally grown and should be planted 3 inches in the row and 6 inches between rows, producing a single stem. Since heat creates a tendency to blindness, not over 50 degree night temperature should be used. To secure the greatest percentage of doubleness, largest and most vigorous seedlings should be selected.

Varieties preceded by star (★) are the most popular colors.

"Non-Branching Column Stocks"

WHITE

★**Avalanche.** Pure paper white florets of good size and substance. Long massive spike. The earliest and finest white for outdoor growing, especially recommended for California and Arizona. Does equally well in the greenhouse.

Gardenia Improved. Flowers of purest white and quite early. Needs disbudding. A fine outdoor strain.

White Giant. Extra large florets of glistening white, without trace of green. A good long stemmed white for outdoor growing.

★**White Improved No. 16.** Semi-tall. An early pure white with large floret and compact spike. We consider this the finest white for greenhouse growing.

LAVENDER, BLUE AND PURPLE

Blue. A rich dark lilac-blue.

★**Purple Heart.** Bright violet-purple. Long stemmed and large flowers.

★**Silvery Lilac** (Lilac Lavender). Good stems, long flower spike. Early flowering.

PINK, ROSE AND RED

Chamois Pink. A warm rosy-buff color. Good flower spikes and long stem.

★**Pacific Pink.** Pure pink on cream base. A new color in Column Stocks without bluish cast usually found in most pinks and rose. Does well under artificial lights. Excellent Spring flowering pink.

Rose Pink No. 14. A fairly deep rose pink, slightly deeper than Supreme No. 22, and early to flower. A good market color.

Ruby. Rich crimson-red.

★**Supreme No. 22.** Rich silvery rose, extra long stem, fine heavy spike. Vigorous grower.

MISCELLANEOUS VARIETIES

★**Deep Apricot.** A coppery terra-cotta. Long stemmed.

★**Yellow Wonder.** Rich creamy-yellow, full double florets on long spikes.

Special Florist Mixture. A **formula-blend** of the most popular colors.

Each of above, ½ Trade pkt., **70c;** Trade pkt., (about 1200 seeds), **$1.15;** ¼ oz., **$2.75;** oz., **$10.00.**

TRYSOMIC GIANT IMPERIAL

Produces 85% or more double flowering plants when sown from seed. The planting can be increased to 100% at the four-leaf seedling stage as at that period of growth the young singles are noticeably weaker and easily distinguished from the vigorous double flowering plants. In all other respects the Trysomic Giant Imperial Stock is identical to currently popular double branching strains.

Choice Mixed. A **formula-blend** which includes rose, canary yellow, buff pink, fiery red, lilac lavender, navy blue and white, in just the right proportions. ½ trade pkt., **$1.00;** trade pkt., **$1.75;** ⅛ oz., **$2.75;** ¼ oz., **$5.00;** oz., **$18.00.**

STOCKS NON-BRANCHING COLUMN WHITE IMPROVED No. 16

IMPROVED GIANT BISMARCK (Early Giant Imperial)

One of the best Stocks, for both inside and outside planting. The plants grow in pyramidal form, about 2½ ft., are strong and robust and are covered with large double flowers. Plant close and take out center shoot as soon as safe to get more and longer side branches which that way produce more florets.

Antique Copper.
Appleblossom. (Blush-pink)
Buttercup. Deep golden yellow.
★**Chamois.**
Dark Blue.
★**Elk's Pride.** (Royal purple).
Fiery Blood-Red.
Flesh. Pale coral pink.
★**Lavender.**
★**Lilac.**
★**Rose.**
★**Shasta.** Vigorous, glistening white.

Each of the above. Trade pkt., **40c;** ¼ oz., **$1.20;** oz., **$3.80.**

Giant Bismarck Mixed. All colors.
Trade pkt., **40c;** ¼ oz., **$1.20;** oz., **$3.80.**

Winter Sweet Peas

(350 seeds per oz.)

SWEET PEAS ZVOLANEK'S MULTIFLORA

We have revised our Sweet Pea listings and offer only those colors and varieties in each type that have proven most satisfactory, based on grower's reports and our own experience.

Nitragin for inoculating Sweet Pea Seed, Garden Size Packet, **25c.** Sweet Peas should be inoculated with Nitragin before planting.

ZVOLANEK'S MULTIFLORA SWEET PEAS

A new free-flowering Sweet Pea. Many 5's and 6's on exceptionally long stems, making this a profitable market variety. Comes into flower between the Cuthbertson Floribunda and Early (Winter) Flowering groups. Peculiar to this group is the fact all florets on a stem are in bloom at one time.

Any of the following:
½ oz., 50c; oz., 80c; ¼ lb., $2.50; lb., $8.00

PINK, ROSE AND SALMON

Beauty Rose. Deep American Beauty, crimson-rose.
Rose Pink. Giant flowers.
Salmon Pink. Rose pink, salmon tint.

BLUE, LAVENDER AND PURPLE

Elk's Purple. Deep purple.
Orchid. Deep orchid-lavender.

SCARLET AND MAROON

Christmas Red. Crimson.

WHITE

White. A white seeded white.

Mixed. A well-balanced blend containing the varieties listed as well as others bought especially for it.

DISCOUNTS ON FLOWER AND VEGETABLE SEEDS

CASH—UNDER $5.00 net		CHARGE—UNDER $5.00 net	
$ 5.00 to $ 25.00,	5%	$ 5.00 to $ 25.00,	3%
25.00 to 100.00,	8%	25.00 to 100.00,	6%
100.00 to 150.00,	10%	100.00 to 150.00,	8%
150.00 to 200.00,	12%	150.00 to 200.00,	10%
200.00 to 300.00,	15%	200.00 to 300.00,	13%

If paid within ten (10) days of invoice date, deduct an additional 2%.

STANDARD WINTER (Early) SPENCERS

Although the Spring Flowering group is preferred for late greenhouse planting, this Winter class does flower earlier and by many is preferred for outdoor planting.

Any of the following, ½ oz., 35c; 1 oz., 55c; ¼ lb., $1.65; lb., $6.00.

PINK, ROSE AND SALMON

American Beauty. Crimson-rose.
Laddie Improved. Light rose-pink.
Pride. Dark cerise.
Sequoia. Golden salmon-rose.
Shirley Temple. Soft rose-pink.

BLUE, LAVENDER AND PURPLE

Amethyst. Royal purple.
Blue Supreme. Rich mid-blue.
Harmony. Popular lavender. Fragrant.
Mrs. Herbert Hoover. Clear deep blue.
Princess Blue. Light blue.
Triumph. Deep lilac-mauve.

ORANGE

Orange Improved. Deep glowing orange.
Treasure Island. Sparkling golden-orange.

SCARLET AND MAROON

Kate Smith. Scarlet.
Red Giant. Bright crimson-red.
Top Sergeant. Deep blood-red crimson.

WHITE AND CREAM

Cascade. White, white seeded.
Hope. Black seeded, white.
Oriental. Black seeded cream.

Vaughan's Special Formula Mixture, Early Flowering Spencers from named sorts.
½ oz., **30c;** oz., **55c;** ¼ lb., **$1.50;** lb., **$5.50.**

SPRING FLOWERING

Preferred by most growers for spring greenhouse flowering, coming into bloom midway between the Winter and Summer Flowering groups. Do not sow before October for this purpose. Coming into flower a week or more before the Summer Peas, they are now widely grown outdoors.

CUTHBERTSON FLORIBUNDA SWEET PEAS

Developed under the direction of Frank G. Cuthbertson, the FLORIBUNDA strain not only has the superior qualities of the Cuthbertson Sweet Pea—heat resistance, long stems, tall vigorous vines—but with proper culture will produce **five or more large** fragrant flowers per stem.

Any of the following:
Oz., 40c; ¼ lb., $1.20; lb., $3.60.

PINK, ROSE AND SALMON

David. Bright rose crimson.
Eileen. Coral pink.
Evelyn. Salmon cream-pink.
Lois. Rose-pink white ground.
Nancy. Light salmon pink on cream.
Ruth. Deep rose pink.
William. Picotee rose pink on white ground.

BLUE, LAVENDER AND PURPLE

Astrid. Light lavender.
Danny. Navy blue.
Frank G. Rosy-lavender.
Robert. Mid-blue.

SCARLET AND MAROON

Kenneth. Ox-blood crimson.
Mac. Purple-maroon.

WHITE

Daisy. White, black seeded.
Jennie. White, white seeded

Mixed. A formula-blend which includes the above and others.

VERBENA SPARKLE

Verbenas

(About 10,000 seeds per oz.)

GIGANTEA (Hybrida Grandiflora).

Alba. Very large, pure white.

Annapolis Blue. Spreading habit, shades of light to deep blue.

Beauty of Oxford Hybrids. Bright shades, ranging from clear rose pink to rose red.

Lavender Glory. True lavender. Large flower umbels. Fragrant. About 80% true.

Marilyn. Fiery cerise with a suggestion of scarlet, the small cream eye accenting the warm brilliance of the color. Mammoth clusters of large flowers, uniformly compact plants, early and free flowering.

Royale. Royal blue with creamy yellow eye.

Spectrum Red. Intense pure bright red without eye.

Vivid. Brilliant sunproof scarlet, brighter and more intense than Spectrum Red. Large uniform trusses, large florets. Compact plant, 8 inches tall.

Each of above 8. Trade pkt., **40c;** ¼ oz., **$1.00;** oz., **$3.00.**

Multiflora (Bush Type). An improved hybrida grandiflora. Masses of bloom covering the center of the plants, eliminating the troublesome hollow spot so often found in the older strains. Plants are of uniform bushy habit about 8 to 10 in. high, and 12 to 15 in. across, with flower heads practically touching each other. Most suitable for borders.

Firelight. Large closely spaced blooms of brilliant fiery red. Trade pkt., **40c;** ¼ oz., **$1.00;** oz., **$3.00.**

Roselight. Rose-pink with white eye. Trade pkt., **40c;** ¼ oz., **$1.00;** oz., **$3.00.**

Salmon Queen. Bright salmon pink, small white eye. Trade pkt., **40c;** ¼ oz., **$1.00;** oz., **$3.00.**

Snow White. Large pure white. Trade pkt., **40c;** ¼ oz., **$1.00;** oz., **$3.00.**

Starlight. Mid-blue with creamy-white eye. Trade pkt., **40c;** ¼ oz., **$1.00;** oz., **$3.00.**

Mixed. A well-balanced mixture. Trade pkt., **40c;** ¼ oz., **$1.00;** oz., **$3.00;** ¼ lb., **$9.00.**

Vaughan's Best Mixed. This is unquestionably the best of the taller Verbena mixtures. It is composed of the finest strains, all grown separately, and mixed in the right proportion. Trade pkt., **40c;** ¼ oz., **$1.00;** oz., **$3.00;** ¼ lb., **$9.00.**

DWARF VERBENAS

Large blooms so tightly arranged the effect is a solid mass of color. The habit is dwarf and compact; extremely free flowering. Plant retains its fine compact habit throughout the long blooming season.

Crystal. Large flowered snow-white.
Delight. Clear coral pink suffused salmon.
Sparkle. Bright scarlet-red with a gleaming white eye.
Each of the above 3: trade pkt., **50c;** ¼ oz., **$1.35;** oz., **$4.50.**

★Dwarf Master Verbenas

There has been an increased demand for Dwarf Verbenas in separate colors. We can now offer color selections out of our Dwarf Master Blend.® All have very large flowers, clear distinct colors with a contrasting white eye. Plants have the same dwarf compact habit as the mixture, early and free flowering, coming into bloom when quite small. Plants may be had in full-bloom for early Spring sales.

Master Rose. A true florist color.
Master Salmon. Soft salmon tone.
Master Deep Salmon. Slightly deeper than the above.
Master Scarlet. Very bright.
Master Crimson. One of the finest.
Master Dark Blue. Rich velvety blue.
Dwarf Master Blend.®
Each of the above: Trade pkt., **75c;** ⅛ oz., **$1.25;** ¼ oz., **$2.00;** ½ oz., **$3.50;** oz., **$6.00.**

Vinca Rosea

(Flowering Periwinkle)

(About 20,500 seeds per oz.)

These are slow growers and must be started early. They are splendid as bedding plants or for combinations. They bloom all summer until frost and do well in either sun or partial shade. These should be in every florist's order for bedding plant sales.

Rosea. Pink, 18 in.
Fl. Alba Oculata. White with pink eye.
Alba Pura. Pure white.
Delicata. Soft pink.
Mixed.
Each of the above. Trade pkt., **30c;** ¼ oz., **65c;** oz., **$2.00.**

★**Little Pinkie.** 8 to 10 in. A dwarf selection out of Vinca Rosea Pink. Compact plants covered with rose flowers of good sizes. Very free flowering. These small plants make a fine show for early flat sales. Trade pkt., **50c;** ¼ oz., **$1.25;** oz., **$4.00.**

Viola

(About 25,000 seeds per oz.)

In most cases the true Violas are a better bedding subject than many Pansies as they seem to enjoy the heat of midsummer and bloom continuously.

Cornuta Admiration. Very large circular dark blue flowers. 8 in. Trade pkt., **60c;** ⅛ oz., **$1.10;** ¼ oz., **$2.00;** oz., **$6.00.**
Arkwright Ruby. Ruby crimson shading to terra cotta. Trade pkt., **60c;** ⅛ oz., **$1.65;** ¼ oz., **$3.00;** oz., **$9.00.**
Avalanche. Giant pure white. Trade pkt., **60c;** 1/16 oz., **$1.10;** ⅛ oz., **$2.00.**
Blue Perfection. Light blue, large flowered. 8 in. Trade pkt., **60c;** ⅛ oz., **$1.10;** ¼ oz., **$2.00;** oz., **$6.00.**
Chantreyland. Rich apricot tinted orange. Trade pkt., **60c;** ¼ oz., **$2.50;** oz., **$7.50.**
Chinese Blue. A round-faced type of Viola such as Jersey Gem. Pure sky-blue. Trade pkt., **60c;** ⅛ oz., **$1.65;** ¼ oz., **$3.00;** oz., **$9.00.**
Georgia Peach. Delicately peach colored blooms, slightly ruffled compact plants. Trade pkt., **60c;** ⅛ oz., **$1.65;** ¼ oz., **$3.00;** oz., **$9.00.**
Puck. Yellow and Purple. Trade pkt., **40c;** ¼ oz., **$1.50;** oz., **$5.00.**
Scottish Yellow. Pure golden yellow. Blooms through a long season. Trade pkt., **50c;** ⅛ oz., **$1.75;** ¼ oz., **$3.00;** oz., **$9.00.**
Vaughan's Special Mixture. The bright shades of self colors of red, yellow, blue and apricot, combined with many shades which are blotched. Trade pkt., **60c;** ⅛ oz., **$1.65;** ¼ oz., **$3.00;** oz., **$9.00.**
Large Flowering Scotch. The color range is from white through all intermediate shades to purple all with two tone effect without blotches. Trade pkt., **60c;** ⅛ oz., **$1.95;** ¼ oz., **$3.30;** oz., **$10.00.**

Hardy German Iris

RANGER

"S" refers to the three standard or upright curling petals.
"F" refers to the three falls or drooping petals.

Deluxe Offer

Giant Flowering Iris

25 Irises (value $14.75) for $12.50

5 each of Argus Pheasant, Cherie, Chivalry, Pinnacle and Ranger (value $14.75) for $12.50.

Special Offer New Giant Flowering Irises

5 each of Bryce Canyon, Chantilly, Cloth of Gold, Great Lakes, Lady Mohr, Minnie Colquitt, Mulberry Rose, Ola Kala, Sable and The Red Douglas (value $19.66). 50 Irises for **$14.95.**

There is no comparison between these new beauties and the old obsolete varieties. Plant out a good collection and sell the flowers on Decoration Day and the rhizomes in July, Aug. and Sept. You will be surprised at the demand you will have for them.

All prices are F.O.B. Western Springs, Ill., packing charges to be added to cost.

Not less than 10 of one kind supplied at the 10 rate.

	Each	3	10
ARGUS PHEASANT. 36 in. Huge flowers of bright golden brown with a coppery sheen. Dykes Medal 1952.	$ .70	$1.75	$5.00
BLACK HILLS. 38 in. A full-petaled, flaring and stylish flower of smooth blue-black with beard to match. Falls velvety black. The perfect black Iris.	1.50	4.00	
BLUE RHYTHM. 40 in. Extra large flowers of cornflower blue with a silvery sheen on beautifully branched stalks. Head of its class in mid-blues. Dykes Medal 1950.	.40	1.05	3.00
BLUE SAPPHIRE. 40 in. A heavily ruffled, silvery blue flower of extra large size and exquisite purity. It has heavy substance which defies both wind and rain.	1.75	4.75	
BLUE SHIMMER. 36 in. Extremely large and full white plicata peppered with clear blue. Very different	.40	1.05	3.00
BRYCE CANYON. 38 in. An unusual, self colored blend of warm henna copper. Does well everywhere	.40	1.05	3.00
CHANTILLY. 36 in. Delightful orchid pink. Edges of flower so heavily ruffled and frilled they appear edged with lace	.50	1.20	3.50
CHERIE. 34 in. Most famous of the "flamingo pinks." Large ruffled flowers of excellent form and substance with deep tangerine beard. Dykes Medal 1951.	1.00	2.60	6.50
CHIVALRY. 36 in. An outstanding ruffled, medium blue of large size; flaring falls. Dykes Medal 1947	.60	1.50	3.50
CLOTH OF GOLD. 38 in. Clear, sparkling, deep, golden yellow self; fragrant	.40	1.05	3.00
DESERT SONG. 36 in. The extra large flowers of creamy lemon yellow are beautifully formed and ruffled	.50	1.20	
ELMOHR. 36 in. A super Iris that has magnificent, richly colored, rounded blooms of heavy texture. Their color is brilliant reddish mulberry with a pinkish glow	.50	1.20	3.50
FIRECRACKER. 33 in. Brilliant, glowing, burgundy red plicata, with yellow trim	.60	1.50	4.00
GARDEN GLORY. 33 in. A pure self of rich, deep wine red with a glossy satin sheen. A prolific bloomer	.50	1.20	
GOLD SOVEREIGN. 34 in. Very vivid orange-yellow, deeper and more golden than Ola Kala	.60	1.50	4.00
GREAT LAKES. 48 in. An exquisite blue. Ideally formed blooms with flaring falls and crisp petal texture	.40	1.05	3.00
GUDRUN. 36 in. Enormous flowers of lovely pure white	.40	1.05	3.00
HELEN MCGREGOR. 36 in. Beautifully ruffled, clear light blue with no trace of lavender in it.	.60	1.50	3.50
INDIANA NIGHT. 38 in. An excellent performer with large flowers of velvety blue-purple, almost black	.60	1.50	3.50
LADY MOHR. 36 in. S. Huge, oyster-white, slightly fluted; F. frosted chartreuse with prominent veining and a dark patch by the beard	.60	1.50	3.50
MELODY LANE. 36 in. Very large flowers of a new color, glistening, golden apricot with a brilliant tangerine beard. Pleasingly fragrant. Early.	1.00	2.65	
MINNIE COLQUITT. 36 in. Massive, ruffled white, with wide stitched border of wine-purple	.50	1.20	3.50
MULBERRY ROSE. 40 in. Huge flowers of radiant, lovely mulberry rose with a bronze beard	.40	1.05	3.00
NEW SNOW. 40 in. The large ruffled flowers are as white as new fallen snow; yellow beard	.60	1.50	4.00
OLA-KALA. 36 in. Brilliant ruffled deep orange-yellow. Dykes Medal winner for 1948	.50	1.30	3.75
PIERRE MENARD. 38 in. Magnificent deep rich blue, almost a hyacinth blue; canary yellow beard	1.00	2.50	7.50
PINK FORMAL. 38 in. Very large, richly colored flowers of deep flamingo pink with intense red-tangerine beard. It has extra heavy substance and holds up well in the garden	.60	1.50	4.50
PINNACLE. 35 in. Beautiful wax-like blooms with pure white standards and primrose yellow falls. It is something really new in combination of colors	$ .60	$1.50	$4.00
RAINBOW ROOM. 36 in. A beautiful blend of rainbow colors. The cream colored background has multiple shadings of apricot, copper and gold with a blue blaze on each fall	.60	1.50	4.00
RANGER. 36 in. Very large, brilliant, almost true crimson-red self. Late	.60	1.50	4.00
RASPBERRY RIBBON. 34 in. A stunning plicata. The standards are mostly raspberry-red; the falls gleaming white with a wide stitching of raspberry-red.	1.00	2.65	
SABLE. 40 in. Almost perfect black with a silky sheen. Excellent form, hardiness, and intense color make it "tops" in its color class	.40	1.05	3.00
SNOW FLURRY. 40 in. Enormous, beautifully ruffled flowers of pure icy white, very faintly flushed blue.	.50	1.20	3.50
SOLID GOLD. 36 in. The huge flowers of the deepest yellow imaginable completely overshadow all others in its color class. Remarkably fade-proof and lasting.	1.25	3.25	
SOLID MAHOGANY. 38 in. Large deep mahogany red	.60	1.50	4.00
SPUN GOLD. 38 in. A magnificent Iris of gleaming, deep pure, velvety yellow. Dykes Medal 1944	.50	1.35	3.75
SUNSET BLAZE. 40 in. A huge blend of flame red and coppery salmon, beautifully bright in color	.70	1.75	5.00
THE RED DOUGLAS. 40 in. Sensational, new vibrant red-purple of colossal size, gorgeously rich in color. The experts agree it's one of finest of all Irises	.50	1.35	3.75
TRULY YOURS. 48 in. Dykes Medal 1953. Huge and spectacular flowers of bright yellow shading to almost white at the edge of its ruffled petals. Late.	2.25	6.00	
VATICAN PURPLE. 38 in. A huge rich dark blue-purple self with heavy substance and glossy finish. The strong stems carry 9 to 12 flowers	.40	1.05	3.00

DWARF IRIS

These varieties bloom two weeks in advance of the tall bearded Iris.

	Each	3	10
CYANEA. 6 in. Very dwarf, rich crimson purple; fragrant	$ .40	$1.05	$3.00
FAIRY. 6 in. Pale blue	.40	1.05	3.00
KEEPSAKE. 8 in. Bright golden yellow on slender stalks.	.50	1.25	3.50
MIST O' PINK. 8 in. Misty red-pink on slender stems	.50	1.25	3.50

FALL BLOOMING IRIS

These varieties bloom in the Spring with the Early flowering varieties and have a habit of blooming again in the Autumn.

	Each	3	10
ELEANOR ROOSEVELT. 28 in. Deep velvety purple self.	$ .40	$1.05	$3.00
OCTOBER BLAZE. 34 in. Glowing red-purple bi-color	.40	1.05	3.00
SOUTHLAND. 28 in. Clear chrome yellow of good size.	.40	1.05	3.00

Hardy Vines

	Each	10	100
AMPELOPSIS Veitchi (Boston Ivy). The grandest hardy climbing vine that clings tightly to stone or brick. Good glossy green leaves, three-lobed, 2-year No. 1	$0.75	$6.00	$50.00
CELASTRUS Scandens (American Bittersweet). 2-year	.60	5.00	45.00
CLEMATIS (Large Flowering) L. Candida. (Single white). **Jackmani** (single purple). 2 yr. No. 1	1.00	9.00	
Ernest Markham. (Single red). 2 yr. No. 1	1.25	11.00	
LONICERA HECKROTTI (Everblooming Honeysuckle). Flowers crimson-carmine without, golden apricot outside. Blooms from middle of June until frost. 2 yr.	.75	6.00	

Western Grown Roses

Our roses are carefully grown, well sprayed during the growing season, and dug only when well ripened, not before. They are carefully graded under close supervision, and with exceptional storage facilities available, we are in position to supply first class plants.

EXTRA SERVICE—If requested, we will supply without charge, copper wired labels for each non-patented rose. We will also supply at cost, except where no picture is available, a four color, glossy print suitable for counter use or use on display bins. Ask our salesman or write us.

CLAIMS for damage, shortage, variance in grade, or for any other reason must reach us within 5 days after shipment has been received. Because of the perishable nature of rose bushes, we cannot entertain complaints after this period.

PRICES are net, f.o.b. Western Springs, Ill., packing charges additional at cost. Shipments are made via express. Orders made up of 300 or more patented and non-patented roses will be extended the 1000 rate on the non-patented varieties only. Forcing roses are ready for shipment in late November and December, other varieties after early February.

The letter following the description indicates the relative height; L. means low, M. medium and T. tall.

Hybrid Tea Roses

Price of the following: 2 yr. No. 1, per 10, $7.00; per 100, $65.00; per 1000, $620.00. No. 1½ grade, 10c less per plant. Sold only in bundles of 10.

CHRISTOPHER STONE. Velvety-textured roses of vivid-scarlet. M.

CRIMSON GLORY. Repeatedly voted the finest of all brilliant red roses. Urn-shaped buds open to large perfect blooms of vivid crimson. Very fragrant. L.

COUNTESS VANDAL. Exquisite, long pointed buds of pink, salmon and gold. M.

CONDESA DE SASTAGO. Deep coppery pink with yellow reverse. T.

DUQUESA DE PENARANDA. Beautiful deep apricot. M.

ECLIPSE. Famous for its exceptionally long, streamlined buds of unchanging brilliant golden yellow on good cutting stems. T.

EDITOR McFARLAND. Shapely buds and double, brilliant pink blooms. M.

ETOILE DE HOLLANDE. Dependable dark velvety-red with fine fragrance. M.

FRAU KARL DRUSCHKI. (White American Beauty). (Hybrid Perpetual). Very popular large pure white. T.

GOLDEN RAPTURE. Long lasting beautiful buds and full rich yellow blooms. M.

JOANNA HILL. Rich cream and yellow with yellow-orange heart. Excellent cut. M.

K. A. VIKTORIA. Creamy buds developing slowly to perfect snowy white blooms. T.

MC GREDY'S IVORY. Long pointed buds, magnificent ivory-white blooms. M.

McGREDY'S SCARLET. Large brilliant scarlet shaded rose-pink. M.

MC GREDY'S YELLOW. Light buttercup yellow of perfect form. Fragrant. M.

MRS. E. P. THOM. Large, well shaped, bright canary yellow. M.

MRS. PIERRE S. DUPONT. Bud reddish gold, flower golden yellow.

NIGGER BOY. Produces quantities of beautiful, dark crimson flowers, perfect in shape, that look like a miniature Crimson Glory. L.

PICTURE. Perfectly formed, medium sized flowers of velvety rose-pink. M.

PINK DAWN. Long pointed, perfectly formed pink buds touched salmon-rose. M.

POINSETTIA. Long pointed buds; large poinsettia scarlet blooms. Fragrant. T.

PRESIDENT HOOVER. Superb buds of deep copper-red open into large flowers of deep cream with pink and flame tints. T.

RADIANCE. Large, brilliant rose-pink. Very fragrant. T.

RED RADIANCE. Bright rose-red form of Radiance. Fragrant. T.

SISTER THERESE. Double blooms for rich yellow. Vigorous. T.

SNOWBIRD. Prolific pure white bedding rose of perfect form. L.

TALISMAN. Glowing golden yellow, stained copper red. T.

THE DOCTOR. Long pointed buds; enormous rose-pink blooms. Very fragrant. L.

Climbing Roses

Price of the following, except where noted, 2 yr. No. 1, per 10, $7.00; per 100, $65.00; per 1000, $620.00. No. 1½ grade, 10c less per plant. Sold only in bundles of 10.

BLAZE. Hardy, vigorous, similar to Paul's Scarlet. Recurrent bloomer.

CL. AMERICAN BEAUTY. Flowers rich red to crimson.

DOUBLOONS. Buds and flowers of clear light yellow. **Price 5c higher.**

NEW BLAZE. New and improved form of the popular Blaze that gives a gorgeous display of scarlet-red flowers in June and repeats throughout the season. **Price 10c higher than other varieties.**

NEW DAWN. The long stemmed, beautifully formed flowers of soft apple-blossom pink and hybrid tea size are produced all summer. Hardy; vigorous. **Price 5c higher than other varieties.**

PAUL'S SCARLET CLIMBER. No rose can compare with its brilliant display of color.

WHITE DAWN. Everblooming with pure white double blooms resembling gardenias. **Price 5c higher than other varieties.**

Floribunda Roses

Price of the following: 2 yr. No. 1, per 10, $7.00; per 100, $65.00; per 1000, $620.00. 2 yr. No. 1½ grade, 10c less per plant. Sold only in bundles of 10.

BETTY PRIOR. Large trusses of single lively red turning to shell pink. T.

DAGMAR SPATH. Large trusses pure white, sometimes tinged with pink. M.

EUTIN. Great clusters with up to 100 very double, glowing red blooms. M.

ELSE POULSEN. Very showy, semi-double, lasting bright rose-pink in clusters. T.

FLORADORA AARS 1945. Spectacular blooms; geranium or brick-red color. T.

FRENSHAM. Large, semi-double, slightly fragrant, deep unfading crimson-red. M.

IMPROVED LAFAYETTE. Large clusters of bright cherry-crimson. M.

ROSE ELFE. Beautiful, silvery rose-pink flowers of gardenia-like form. M.

WORLD'S FAIR. Velvety blooms of fragrant blackish-scarlet. M.

Polyantha Forcing Roses

Price of the following: XXX grade per 10, $7.50; per 100, $70.00; per 1000, $570.00. Sold only in bundles of 10—30 to 300 at the 100 rate, 300 up at the 1000 rate.

Orders totaling 100 or more plants may be shipped direct from Portland, Oregon, f.o.b. that point, at a reduction of 5c per plant.

GARNETTE (Floribunda). The petite flowers are a deep garnet-red and are extremely long lasting. **Price is 5c higher than other varieties.**

MARGO KOSTER. Dwarf bushy plants with clusters of unusual globe-shaped flowers of vivid orange flushed coral-pink.

MOTHER'S DAY. A new deep red form of Margo Koster. A profuse bloomer. Beautiful small glossy foliage.

TRIOMPHE ORLEANAIS. Brilliant cherry-red, lasting in color; blooms profusely in trusses; vigorous and erect with bright glossy green foliage. Considered the finest of red Polyanthas.

Patented Roses

AARS. These are Roses selected by the Rose Council after two-year tests in 25 Official All-America Rose Selections Test Gardens.

Our patented roses are offered under license from patentee and it is understood and agreed they are for resale at retail only, at or above prices specified. No reduction should be made in the retail price of #1½ grade. Prices are determined individually for each variety according to quantity purchased. Prices are Net.

Retail Price Each	Wholesale Price Each 10–19	Wholesale Price Each 20 up	Retail Price Each	Wholesale Price Each 10–19	Wholesale Price Each 20 up
$1.75	**$1.05**	**$ .93**	$2.50	**$1.45**	**$1.30**
1.85	**1.10**	**.98**	2.75	**1.55**	**1.43**
2.00	**1.15**	**1.05**	3.00	**1.75**	**1.60**
2.25	**1.30**	**1.18**	.....	.....	.....

No. 1½ or medium grade Patented varieties at 20% off the No. 1 price. Orders for less than 10 of one variety are filled and shipped separately by our Retail Department at 25% less than the retail price.

Patented Hybrid Tea Roses

Retail Each	
$2.50	**BURNABY** (#1314). An outstanding exhibition rose with beautifully formed, clear light yellow blooms which gradually turn to white. M.
2.25	**CHARLOTTE ARMSTRONG** (#455). Long slender, blood-red buds open into brilliantly colored flowers of cerise-red. T.
2.50	**CHRYSLER IMPERIAL (#1167) AARS 1953.** Magnificent unfading crimson-red. Its big fragrant blooms open in all kinds of weather. M.
2.25	**FORTY-NINER (#792) AARS 1949.** This brilliant bi-color has well-shaped flowers of 30 to 40 petals, rich yellow outside, dazzling red inside. M.
3.00	**GOLDEN MASTERPIECE** (#1284). Enormous, fragrant, golden yellow flowers with high centers. Glossy foliage on a strong plant. T.
2.75	**HELEN TRAUBEL AARS 1952** (#1028). Unusually long and tapered buds open into magnificent blooms of sparkling pink to luminous apricot. T.
1.85	**KATHERINE T. MARSHALL AARS 1944** (#607). Long pointed buds of exquisite coral pink on long cutting stems; fruity fragrance. T.
2.50	**LOVE SONG** (#1360). Long pointed buds of deep yellow open to a blend of yellow and rich salmon-pink. T.
2.25	**LOWELL THOMAS AARS 1944** (#595). Large, beautiful buds open into perfectly formed, high centered, lasting flowers of rich golden yellow. M.
2.25	**MIRANDY AARS 1945** (#632). Large, long-pointed ovid buds of rich dark red with black shadings open to huge 50-petaled very fragrant flowers. T.
2.75	**MOJAVE AARS 1954** (#1176). The finest orange colored rose today. Lots of beautifully tapered buds open to pleasantly fragrant blooms of glowing orange shot with flame-like tones of salmon and red. T.
2.50	**NEW YORKER** (#823). Brilliant red with color long lasting and sun resistant. Flowers large, often 6½ inches across. T.
2.25	**NOCTURNE AARS 1948** (#713). Long pointed, perfectly shaped buds; open flowers rich dark red. Fragrant; long stems for cutting; very hardy. T.
2.50	**PEACE AARS 1946** (#591). Considered the most beautiful rose in the world. Huge yellow buds, edged cerise, open to perfect flowers of yellow buff, cream and pink. Hardy and vigorous; shining holly-like foliage. T.
2.50	**PINK FAVORITE** (#1523). Winner of the 1955 "Namea Rose Contest." Long pointed deep pink buds nestled in glossy disease resistant foliage. M.
2.25	**PRESIDENT EISENHOWER** (#1217). Large blooms of rich, uniform rose-red with lasting brilliance and a sweet old rose fragrance. M.
2.25	**SUTTER'S GOLD AARS 1950** (#885). Extra long yellow buds richly shaded orange and red. Rich tea fragrance. T.
2.50	**TIFFANY AARS 1955** (#1304). The long pointed buds open to large beautiful blooms of warm clear pink with a heart of gold; very fragrant. T.
3.00	**WHITE KNIGHT** (#1359) **AARS 1958.** The finest pure white rose ever created. Truly spectacular. M.

Patented Floribundas

Retail Each

$2.50 **AMY VANDERBILT** (#1585). Its unusual color changes slowly from an opulent purple-lilac to a lavender-lilac and finishes a cool lavender.

$2.00 **BABY BLAZE** (#1362). Blooms of bright velvety cherry red with white eye are produced in large clusters of from 10 to 25. M.

2.50 **CIRCUS AARS 1956** (#1382). Its huge clusters of gay flowers of ever-changing colors of yellow, orange, cream, apple blossom-pink and bright red. M.

2.00 **FASHION AARS 1950** (#789). Reddish buds open into miniature hybrid teas of sparkling coral-pink overlaid with gold. M.

2.50 **FUSILIER (PAF) AARS 1958.** Rich orange-red buds and blooms borne in clusters on a compact bush give a luminiscent effect. M.

2.50 **GOLD CUP** (#1683) **AARS 1958.** Beautifully shaped, sweetly fragrant flowers of deep, rich gold that does not fade; glossy foliage. M.

1.75 **GOLDILOCKS** (#672). Very double, bright golden yellow flowers in heavy clusters. Vigorous, bushy, continuous bloom. L.

2.00 **JIMINY CRICKET AARS 1955** (#1346). Tangerine-red buds open to coral-orange and finish coral-pink; fragrant. Vigorous with glossy foliage. T

2.00 **MA PERKINS AARS 1953** (#1143). Coral buds open slowly to 3½ inch blooms of coral-shell pink suffused with yellow; fragrant. M.

1.75 **PINOCCHIO** (#484). Great clusters of exquisite pointed buds of rich salmon pink flushed gold at the base. M.

1.75 **RED PINOCCHIO** (#812). Prolific producer of big, double 3½ inch blooms in large, long lasting, unfading clusters. Color deep velvety red. M.

2.75 **SPARTAN** (#1357). Gorgeous burnt orange buds slowly open to huge high centered blooms of warm orange softening to reddish coral. T.

2.00 **VOGUE AARS 1952** (#925). Immense clusters of perfectly formed high centered hybrid tea like blooms of vivid cherry-coral. M.

2.50 **WHITE BOUQUET AARS 1957** (#1415). Beautiful sparkling white 4-5 inch gardenia-like blooms with a sweet spicy fragrance. M.

Patented Grandifloras

Retail Each

$2.50 **BUCCANEER** (#1119). Brilliant flashing yellow, unfading in the hot summer sun. Healthy dark green foliage. T.

2.00 **CARROUSEL** (#1066). One of the finest red roses grown. Continuous mass of glowing dark red flowers regardless of weather. T.

2.75 **MONTEZUMA** (#1383). The long tapering buds and high centered flowers are a brilliant scarlet-orange changing to orange-salmon. T.

2.50 **QUEEN ELIZABETH AARS 1955** (#1259). The superb pure orchid pink blooms grow richer and more beautiful with age and last longer when cut than any other garden rose; fragrant. Upright, exceptionally vigorous. T.

Patented Climbers

Retail Each

$2.50 **CLIMBING CRIMSON GLORY** (#736). Climbing form of the bush ever-blooming variety. Produces an abundance of fragrant deep red blooms.

2.50 **CLIMBING GOLDILOCKS** (#1090). Climbing form of the Floribunda Goldilocks with its same color and heavy blooming characteristics.

2.25 **CLIMBING PEACE** (#932). Climbing form of the famous bush Hybrid Tea.

2.00 **DR. J. H. NICOLAS** (#457). Everblooming deep rose-pink. Magnificent, very double, deeply fragrant blooms like the hybrid teas.

2.75 **GOLDEN SHOWERS AARS 1957** (#1557). The first winter-hardy, ever blooming Pillar and Climbing Rose that blooms all season. The long pointed, deep yellow buds open to large 4-5 inch daffodil yellow, exquisitely shaped blooms. Resistant to blackspot.

VAUGHAN'S NURSERY PRICE LIST

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about October 1st.

Ornamental and Flowering Shrubs

Shipping: All stock is sold F.O.B. Western Springs. Packing charges to be added

Prices on all nursery stock subject to change without notice. 5 plants of one kind supplied at 10 rate, 25 plants of one kind supplied at 100 rate.

Our shrubs are nursery-grown and are transplanted every two or three years. They are nice, shapely bushes with plenty of good fibrous roots, and are such plants as are in demand by the first class retail trade.

	Each	10	100
BERBERIS			
Thunbergi (Green-leaved Barberry) 18 to 24 in.	$0.60	$ 5.00	$45.00
Thunbergi Atropurpurea (Red-leaved Barberry) 18 to 24 in.	.75	7.00	65.00
CORNUS Alba Sibirica (Siberian Redtwig Dogwood) 2 to 3 ft.	.75	6.50	
3 to 4 ft.	.80	7.00	
Stolonifera Flaviramea (Goldentwig Dogwood) 2 to 3 ft.	.90	8.50	
COTONEASTER Acutifolia (Peking Cotoneaster) 2 to 3 ft.	.90	8.50	
3 to 4 ft.	1.00	9.50	90.00
CYDONIA JAPONICA (Japanese Quince) 2 to 3 ft.	1.00	9.00	
EUONYMUS ALATUS COMPACTA (Dwarf Burning Bush) 18 to 24 in.	1.90	17.50	
Radicans Vegetus (Bigleaf Wintercreeper) Strong potgrown plants, 10 to 15 in.	1.25	12.00	
FORSYTHIA Lynwood Gold. A new variety, considered the best golden yellow. Excellent for cutting and flowering in the house during winter months. 2 to 3 ft.	1.00		
Spring Glory. 2 to 3 ft.	.85	7.00	65.00
3 to 4 ft.	1.00	9.00	85.00
HYDRANGEA Arborescens Grandiflora (Snowball H.) 18 to 24 in.	.75	6.50	
2 to 3 ft.	1.00	9.00	
Paniculata Grandiflora (PeeGee) 18 to 24 in.	.75	6.50	
KOLKWITZIA Amabilis (Beautybush) 2 to 3 ft.	1.00	9.00	
3 to 4 ft.	1.15	11.00	
LIGUSTRUM Amurense (Amur Privet, North) 18 to 24 in.		2.50	20.00
2 to 3 ft.		3.00	25.00
LONICERA Clavey's Dwarf. Beautiful compact shrub with hardiness and vigor of the standard, reliable Honeysuckle. 18 to 24 in.	.90	8.50	
Karalkowi Zabeli (True Red Honeysuckle) 2 to 3 ft.	.90	8.50	
3 to 4 ft.	1.00	9.00	
Tatarica Alba. 2 to 3 ft.	.75	6.50	
3 to 4 ft.	1.00	7.80	
Tatarica Rosea. 2 to 3 ft.	.75	6.50	
3 to 4 ft.	1.00	7.80	
PHILADELPHUS (Mockorange)			
Frosty Morn (Plant Pat. #1174) Double, pure white fragrant blossoms. Late June, early July. Hardy. 18 to 24 in.	1.20	11.00	
Minnesota Snowflake (Plant Pat. #538) Pure snow white flowers are extremely double and intensely fragrant. Hardy, vigorous, bushy, good foliage and is excellent for specimen plantings. 2 to 3 ft.	1.25	11.50	
Virginalis. Semi-double, fragrant. 2 to 3 ft.	1.00	7.00	
3 to 4 ft.	1.20	9.00	
PRUNUS Cistena (Purpleleaf Sand Cherry) A dwarf variety of red leaf plum, in bush form. 3 to 4 ft.	1.75	16.50	
Glandulosa Sinensis (Flowering Almond) 2 to 3 ft.	1.25	12.00	
Triloba (Double-Flowered Plum) Double, delicate pink. 2 to 3 ft.	1.40	13.50	
3 to 4 ft.	1.50		
ROSA MULTIFLORA (Fence Rose) Seedlings ¼" caliper at crown. 15 to 18 in. 50, **$4.50;** 500, **$30.00**		1.25	8.00
SPIREA Bumalda Froebeli (Everblooming) 18 to 24 in.	.80	6.50	60.00
2 to 3 ft.	.90	7.50	70.00
Van Houttei (Bridalwreath) 2 to 3 ft.	.70	6.00	50.00
3 to 4 ft.	.80	7.00	60.00
SYRINGA Persica (Persian Lilac) 2 to 3 ft.	.75	6.50	60.00
3 to 4 ft.	1.00	9.00	85.00
Vulgaris Purpurea (Common Purple Lilac) 2 to 3 ft.	.75	6.50	60.00
3 to 4 ft.	1.00	9.50	90.00
FRENCH HYBRID LILACS			
Charles Joly. Double wine-red. 2 to 3 ft.	1.50	14.00	
Katherine Havemeyer. Double cobalt-blue. 2 to 3 ft.	1.50	14.00	
Ludwig Spaeth. Deep purplish red. 2 to 3 ft.	1.50	14.00	
Mme. Lemoine. Double white. 2 to 3 ft.	1.50	14.00	
TAMARIX Summer Glow. Silvery blue gray foliage with airy rose flower spikes. Excellent for cutting. 3 to 4 ft.	1.00	9.00	
VIBURNUM Opulus Sterile (Common Snowball). 2 to 3 ft.	1.00	9.50	
3 to 4 ft.	1.20	11.00	
WEIGELA Rosea (Pink Weigela). 2 to 3 ft.	1.00	9.00	
TREES			
ACER Dasycarpum (Silver Maple) 1¼" to 1½"	4.50	40.00	
Platanoides Schwedleri Nigra (Patent No. 735) (Norway Maple Crimson King). 7 to 8 ft.	6.50		
Saccharum (Sugar Maple). 6 to 8 ft.	5.75	55.00	
MALUS Almey (Almey Crab). 4 to 5 ft.	3.00	27.50	
Hupa (Rose Flowering Crab). 4 to 5 ft.	2.25		
Ioensis Plena (Bechtel's Double Flowering Crab). 4 to 5 ft.	3.00	27.50	
ULMUS Pumila (Hedging grade) Seedlings. 1000 for **$65.00.**		1.25	7.50

Vaughan's Peonies

5 of a Kind at the 10 Rate—
25 of a Kind at the 100 Rate

Prices are F. O. B. Western Springs, Ill., packing charges to be added at cost.

We have an exceptionally large stock of our own growing. Strictly true to name, all in strong divisions, with from 3 to 5 eyes each.

The figures preceding the varieties are the rating given to them by the American Peony Society.

Peonies in established plantings need to be fed each Spring. A top-dressing of a balanced plant food well worked in will do wonders, but it should be applied early.

WHITE AND LIGHT SORTS

	Each	10	100
9.3 **Festiva Maxima.** Popular large white, dotted carmine. Often 7 to 8 inches in diameter. Early	$ .60	$ 5.00	$45.00
9.5 **Kelway's Glorious.** Fragrant glistening white petals slightly crinkled and curved inward. Late midseason	1.50		
9.4 **LeCygne.** A magnificent milk white flower with curving petals. Globular, of great size and free blooming. Early midseason	1.75	15.00	
7.9 **Mme. de Verneville.** Fragrant flowers, very full double, pure white, with center delicately tinted blush. Early	.60	4.50	35.00
8.6 **Primevere.** Sulphur-yellow. Bomb type; very fragrant; midseason	1.25	10.00	
9.2 **Solange.** Compact large thick petals which closely overlap. Color a deep cream tinged amber and salmon pink. Late	.75	6.50	

LIGHT AND DARK PINK AND ROSE

	Each	10	100
7.6 **Edulis Superba.** Usually blooms for Decoration Day. The flowers are a beautiful deep, vivid pink, with a silvery reflex, and are borne profusely on tall, strong stems. One of the best of all Peonies for cut flowers in its color and season; very fragrant	$0.60	$ 5.00	$40.00
9.1 **Hansina Brand.** Giant flowers of deep flesh-pink with a salmon reflex. Wonderful show flower	1.50	12.50	
9.1 **Martha Bullach.** Immense cupped shape flowers of bright old-rose pink on tall, stout stems. Very beautiful; fragrant; late	1.00	8.00	65.00
9.2 **Mons. Jules Elie.** By many considered the most beautiful of all Peonies. Enormous full flowers, resembling a Chrysanthemum; color a glistening satiny pink, overlaid with a sheen of silver. Very fragrant; early. Good cold storage variety	.75	6.00	50.00
9.1 **Myrtle Gentry.** Immense flowers of wonderful substance. Light pink tinted flesh and salmon; fragrant. Late midseason. Often called "the perfect peony" as it has no faults and is all you could wish for in a flower	1.25	10.00	
8.7 **Reine Hartense (President Taft).** One of the finest Peonies. A vigorous, strong grower, a profuse bloomer and an excellent cut-flower variety. The flowers are extremely large and in color are a uniform light pink, center flecked crimson. Midseason	.60	5.00	
9.0 **Sarah Bernhardt.** One of the best pink peonies in the world. Tall, vigorous grower and prolific bloomer. The color is a dark rose-pink, edged lighter pink; center flecked crimson. Fine cut flower and storage variety; late midseason	.75	6.00	
9.5 **Therese.** Wonderful peony of perfect habits. Immense blooms of translucent old-rose pink. Early Midseason	1.25	10.00	
9.3 **Walter Faxon.** Bright delicate rose pink flower. Free blooming; lasts well cut, Midseason	1.00	7.50	

RED AND CRIMSON

	Each	10	100
8.6 **Dixie.** Very dark red bomb type bloom on good stems. Vigorous grower. Color of Philippe Rivoire	1.75		
8.4 **Felix Crousse.** Large globular blooms of rich, even brilliant, dazzling ruby-red; late midseason. Good cut flower and storage variety	$0.60	$ 5.00	$45.00
8.8 **Karl Rosefield.** Very large flower, globular, semi-rose type of rich velvety-crimson. Extremely vigorous grower; tall, early	.65	5.00	45.00
9.0 **Langfellow.** Bright crimson. Semi-rose type; tall; late midseason	1.00	9.00	
8.7 **Mary Brand.** A large rose type bloom of dark, clear crimson showing a very brilliant sheen with very few yellow stamens.	1.00		
8.8 **Mons. Martin Cahuzac.** Dark purple-garnet with black reflex	1.35	12.50	
8.6 **Officinalis Rubra Plena.** Old-fashioned early red usually in bloom by Decoration Day	.90	7.50	
9.2 **Philippe Rivaire.** Perfectly formed flowers of very dark crimson; velvety sheen; fragrant; late	1.25	11.50	
8.8 **Richard Carvel.** Large globular flowers of uniform bright crimson. Tall annual and profuse bloomer. Delicate fragrance. Excellent for cut-flowers; usually blooms for Decoration Day	1.00	8.50	

MONS. JULES ELIE

JAPANESE PEONY

UN-NAMED PEONIES—
Divided Roots of from 3 to 5 Eyes

We use good varieties which we have in surplus.	Each	10	100
Double Pink	$0.50	$ 3.50	$30.00
Double Red	.60	4.00	35.00
Double White	.50	3.50	30.00

JAPANESE FLOWERED PEONIES

	Each	10	100
9.2 **Ama-No-Sode.** Bright rose, shading lighter toward the edge of the petals; considered the best pink	$1.75	.....	.....
8.2 **Gold Mine.** Cup-shaped flowers of dark rose-pink with deep golden center. A strong grower and profuse bloomer. Midseason	.60	5.00	40.00
8.6 **Mikada.** Guards velvety crimson, forming a cup enclosing crimson petaloids, edged and tipped gold	.80	7.50	.....
9.0 **Toro-Na-Maki.** Very large lilac-white with amber yellow center. Spectacular and very beautiful	1.75	15.00	.....

TREE PEONIES—5 Inch Pot Plants

	Each	10	100
Flora. Pure transparent white; immense flower of Japanese type. A great favorite	$4.50	.....	.....
Reine Elizabeth. Very large, bright salmon-pink	3.50	.....	.....
Souv. De Ducher. Large, globular blooms of bright reddish violet with silvery reflex	3.50	.....	.....
Sauv. De Maxime Carnu. Enormous flowers with wrinkled petals of deep yellow, heavily shaded orange.	7.50	.....	.....

Hemerocallis—Daylilies

Not less than 10 of one kind supplied at the 10 rate.

	Each	3	10
Caballero. 3 ft. Gay brilliant bicolor with rose vermilion petals and golden yellow sepals. Evergreen	$ .60	$1.50	$3.50
Colonial Dame. 3 ft. Large ruffled flowers of warm apricot with rosy tan banding above a bright golden yellow throat. Remains open evenings. Midseason; repeats	1.25	3.00	8.50
Crimson Glory. 3½ ft. A large crimson beauty of firm substance. A rich red self with broad ruffled petals and sepals. Has a long blooming season	3.00	7.50	....
Duchess of Windsor. 2-2½ ft. Deep cream shading to soft golden yellow with rose tinted throat. July-Aug	.60	1.50	4.00
Evelyn Claar. 2½-3 ft. Deep salmon pink with a silvery sheen and yellow flush near the center of the flower. Top winner in the 1955 Popularity Poll	2.25	6.00	.....
Garnet Rabe. 3 ft. Rich glowing garnet-red with a deep yellow-green throat. Evergreen. July	.75	1.95	5.00
Georgia. 3 ft. Huge wide open flowers of rose buff tinted pink. A wonderful bloomer. Evergreen. ML	1.00	2.25	6.00
Hyperian. 3-3½ ft. One of the finest of all Daylilies. Giant amaryllis-like flowers of citron yellow; fragrant.	.60	1.35	3.50
Kwanzo Flore Pleno. 3 ft. Showy double orange shaded crimson. July-August	.40	1.00	2.50
Linda. 3 ft. A ruffled flower of amber yellow lightly washed with rosy pink shades; rose eye zone. July	.50	1.50	
Margaret Perry. 3½ ft. Brilliant orange scarlet lined with yellow. July-August	.40	.90	2.50
Mary Guenther. 3 ft. A bicolor with outstanding colors of carmine-red, clear yellow. Evergreen. July	.50	1.00	3.00
Mikada. 3 ft. Rich orange yellow with deep mahogany red throat. Good evenings. Fragrant. M.	.40	1.00	2.50
Moracco Red. 3 ft. Brilliant flower of velvety Morocco-red with a very small orange eye zone. July	.50	1.20	3.50
Naranja. 3 ft. Lightly ruffled, 7 inch amaryllis-formed blooms in a gorgeous shade of golden orange. Evergreen	1.25	3.00	
Ophir. 4 ft. Produces quantities of giant, waxy golden yellow blooms up to 5 in. across. Very fragrant.	.50	1.20	3.00
Painted Lady. 3 ft. Gigantic 8 inch flowers of cinnamon brown and yellow with darker veins and coral throat. Evergreen	.75	1.95	5.00
Pink Charm. 3½ ft. Beautiful large star-like flowers with recurved petals of coppery rose-pink. July	.75	1.95	5.00
Potentate. 3½ ft. A self with petals and sepals of luminous pansy red-purple. Top winner in the 1954 Popularity poll. Reblooms. July-August	1.25	3.00	8.50
Queen Esther. 3 ft. The 5-inch brilliant, velvety crimson flowers do not fade and they stay open evenings. ML.	.60	1.50	3.50

Greenhouse Plant Department

All Greenhouse Plant prices are subject to change without notice.

AZALEAS

PRICE LIST—AZALEAS FOR FORCING—FALL.

We are offering the following Azaleas (own root) for delivery beginning September 1st and suggest you order early.

BELGIAN INDICAS

CHIMES. A brilliant, red trumpet-shaped flower; strong grower and very popular. Early to mid-season bloomer.
DR. BERGMAN. A beautiful variegated shade of dark pink with darker pink margins. A mid-season bloomer and very good for Valentine.
DOROTHY GISH. Salmon-rose, hose-in-hose flower. Mid-season.
EASTER DAWN. A very attractive, fluffy white blossom, sometimes penciled with red. Mid-season to late bloomer.
ERIC SHAME. Variegated double salmon-pink and lighter pink. Early to mid-season bloomer.
GLORY OF EASTER. Coral pink sport of Jean Hearrens. Very large and double. Mid-season to late.
JEAN HEARRENS. Rose-pink, very large double blossoms. This variety makes a wonderful show and is well liked. Mid-season.
LOELIA ALBA. Pure white and very double. Large flower blooming at mid-season.
MME. PETRICK SUPERBA. Double rose-pink and white variegated. Early flowering.
MRS. FRED SANDERS. Very double red, making a very showy plant. This variety is much in demand. Early to mid-season.
PAUL SHAME. Old reliable, double salmon-pink, blooming early to mid-season.
PERLE DE SWEYNARDE. Beautiful, double white, flowering during mid-season.
PROFESSOR WOLTERS. Showy, variegated red edged with white. A beautiful Azalea blooming at mid-season.
TRIOMPHE. Very double, bright red. A well known mid-season variety.

PRICES	BEFORE NOV. 1st.		AFTER NOV. 1st	
	100	1000	100	1000
6 x 8" Spread—ea.	$1.35	$1.40	$1.80	$1.60
8 x 10" Spread—ea.	1.90	1.75	2.20	2.00

KURUME AND PERICAT AZALEAS

CORAL BELL. A beautiful, hose-in-hose pink; blooming early to mid-season.
HEXE. Brilliant red and very reliable mid-season to late flowering variety.
LENTENGROET. Hose-in-hose, large and brilliant red. Mid-season to late flowering.
PINK SUPREME. Beautiful, rose-pink sport of Mme. Pericat. Late flowering.
RED WING. Patent No. 1159. Beautiful large fluffy red flowers and becoming very popular. Mid-season.
SWEETHEART SUPREME. Double light salmon-pink, flowering mid-season to late.
TEMPTOR. Medium size bright pink, very compact grower. Mid-season to late.

PRICES	BEFORE NOV. 1st		AFTER NOV. 1st	
	100	1000	100	1000
5 x 6" Spread—ea.	$ .65	$ .55	$ .75	$ .65
6 x 8" Spread—ea.	1.00	.85	1.15	1.00
8 x 10" Spread—ea.	1.30	1.10	1.50	1.30
*10 x 12" Spread—ea.	1.50	1.30	1.75	1.50

*Coral Bells and Hexe

PRICES: Fob Southwest Michigan. Packing at cost.
Less than 250 plants take the 100 rate. 250 or more take the 1000 rate.
Our responsibility ceases with delivery to carrier in good condition and all claims for damage must be filed with carrier immediately.

SPECIAL TRIAL CASE—CHRISTMAS—VALENTINE DAY—EASTER

For Florists with or without greenhouse potted Azaleas, ready to bloom, shipped out of pots, showing color. Just slip into pots and bloom in greenhouse or store. Shipped a week to 10 days before holiday, or when wanted.
20 plants—8 #4½" pots; 8 #5" pots and 4 #6" pots...SPECIAL PRICE **$20.00**
F.O.B. Lebanon, Ohio

ASPARAGUS PLUMOSUS NANUS OR SPRENGERI

	100	1000
SEEDLINGS	$ 3.00	$28.00
2¼-inch	10.00	95.00

ROOTED CARNATION CUTTINGS AVAILABLE FOR 1958–1959 SEASON

WHITE:
Improved White Sim
White Sim
White Littlefield
Electra
(Pramising new white)

RED:
Hill's Improved Red Sim
Red Sim
Cardinal Sim
Scania
(New selectian from Eurape)

LIGHT PINK:
Peterson's Pink Sim
Nancy Thompsan
Select Light Pink Littlefield

DARK PINK:
Impraved Sidney Littlefield
(Virus free, better grawth, and much better color. New.)

FLUSHED VARIETIES:
Anniversary
Scarlet Sim

VARIEGATED & NOVELTIES:
S. Arthur Sim
Cooper's Variegated Sim
Goyety Sim
Momie
Peking Pink Littlefield

CRIMSON:
Congo
Crimson Prince
(New seedling)

YELLOW:
Yellow Sim
(Very goad yellow in Spring, Summer and Foll.)

DARK SALMON:
Shocking Pink Sim

LIGHT SALMON:
Salmonoise Virginio
(Spart of Hercules, holds its color well in hat weather. New this year.)

BUFF COLOR:
Harvest Moon

THE ABOVE VARIETIES ALL $125.00 per 1000., $15.00 per 100 250 at 1000 rote. Minimum order 100 of o variety.

	Per 100	Per 1000
CINERARIAS. Cremer's Prize Mixture and Siter's Stroin. 2¼-inch	$12.00	$110.00
COLEUS. Standard varieties, 2¼ inches	8.50	80.00
R.C.	4.00	35.00
CYCLAMEN STANDARD VARIETIES. 3 inch	38.00	375.00
DAISIES. Yellow, rooted cuttings	5.00	45.00
Nicholson's White, rooted cuttings	5.00	45.00
2¼ in. size on both of above	11.00	100.00

FUCHSIAS

	Per 100	Per 1000
FUCHSIAS. Black Prince ond Rosoin Patria, 2¼"	$14.00	$130.00
R.C.	8.00	75.00
Little Beauty 2¼"	14.00	130.00
R.C.	8.00	75.00
Hollydale and Winston Churchill 2¼"	14.00	130.00
R.C.	8.00	75.00

CARNATION

YODER'S DISEASE-FREE CARNATIONS

Rooted cuttings of Carnations, taken from isolated Mother Stocks grown from seed, and maintained under every protection from disease that modern science affords, will be available Fall to Spring.

So far as human agency can assure, these cuttings will come to you free from any virus, bacterial or fungus disease; and they will give the careful grower a clean start. By continuing the programme of protection, they should be made to yield superior results.

This is an important step forward toward the goal of eliminating the diseases that plague carnation growers, and if results prove its effectiveness, it offers a solution of that problem, but it should be understood that disease-free are not necessarily disease-resistant, or immune, and should not be subjected to unsanitary treatment or handling. They require the same precautionary methods which are necessary in handling ordinary commercial stocks or varieties.

PRICES ON THE FOLLOWING—SEE BELOW

WHITE

AURORA. Exceptionally large white. Flower size and heavy stem are points of emphasis. Performs best in higher than average carnation temperatures, and with a narrow range of difference between day and night temperatures. An average to heavy producer. **S-4**

COLO. WHITE SIM. Holley's reselection of White Sim. Most important asset is its non-splitting trait. In all periods repeated tests have demonstrated that splitting is very significantly lower than the parent variety. Somewhat fewer petals contribute to this as well as making for straighter winter stems. Vigor and production remain the same. **S-4**

ELECTRA. (NEW) Large informal white. Petals are deeply serrated. Exhibits the vigor, stretch, and production of White Sim with an improved stem for winter flowering. **Does not split.** **S-3**

IMPROVED OLIVETTE. A more vigorous, taller reselection of Olivette. **S-5**

IMP. WHITE SIM. Large white sport of William Sim. Best under high winter light intensities to improve stem strength. **S-4**

WHITE APOLLO. White sport of Apollo. Unequalled for year 'round productivity. A marked improvement over Olivette for flower size and stem strength during the winter months. More versatile than Apollo since it is not subject to fading. **S-5**

SALMON PINK

AMBROSIA. (NEW) A smooth and unvarying salmon pink. A shade lighter than Venus. Unusual stretch and rigid stemmed growth during the winter months. A durable flower for shipping. **S-3**

No. 2 APOLLO. An improved selection in Apollo, with larger flower size and markedly increased stem length. Color remains the same as Apollo. The improved vigor in stem and size is evident throughout the year. **S-5**

ATHENA. A lustrous salmon-pink slightly deeper than Venus and possessing a greater color clarity than Apollo under low light intensities. A reliable winter producer. Has vigor, stretch, and rigid stems. **Does not split.** **S-5**

SALMON SIM. Peterson's light salmon colored Sim sport. Identical in growth characteristics to Pink Sim. **S-4**

VENUS. A large, salmon-pink. Flawless color. Like Charm, possesses superb flower qualities coupled with a long, rigid stem. A noted exhibition variety. Performs most satisfactorily at Littlefield temperatures. **S-4**

LIGHT PINK

APHRODITE. A true light pink. An early producer with an early comeback. Best in high light intensity areas. **S-4**

PINK SIM. Peterson's flesh-pink Sim sport. **S-4**

VIRGINIA HERCULES. Well known for its form, color and keeping quality. Air cooling has extended its period of value. **S-3**

DARK PINK

HERMES. A good dark pink with high temperature color-retention tolerance. Becomes a scarlet pink during the winter months. Ships and keeps well. Rarely splits. **S-4**

MENTOR. Rich, rose-pink. Strong, rigid stems. Notable keeping and color retention properties throughout the year. **S-4**

SCARLET RED

CARDINAL SIM. Large scarlet-red sport of William Sim. The most vigorous and productive of the red Sim sports: Less petal serration. **Rorely splits.** **S-4**

HILL'S RED SIM. Sport of Wm. Sim. Outstanding for its improved vigor, stretch and rapid cropping habit. Flowers are somewhat larger being similar in form and color to Wm. Sim. The longer stems of good rigidity are especially valuable on the early crops. **S-4**

COLO. RED SIM. An improved William Sim. Greater vigor and productivity. **S-4**

STEPHEN'S RED APOLLO. Apollo sport. Bright salmon red. Flower is fuller, larger and much brighter color than original Red Apollo. Stems are longer with over-all vigor significantly greater than Apollo. **S-1**

SIREN. A bright scarlet. Combines heavy production with a fast comeback and uniform cropping on stems of medium length. **S-4**

CRIMSON RED

TOPPER. Crimson red. Very clear, bright color with medium sized flowers. Fine stretch with wiry, strong stems. Very productive, free growth. Does not split. **S-4**

TITAN. An intense crimson-red. Dependable and continuous growth during the winter months. Recognized for its better than average shipping and keeping qualities among the crimson group. **S-4**

YELLOW

No. 2 MIDAS. An improved vigorous selection from Midas. Length and strength of stem are markedly greater. Color remains the same. Form and size are more uniform. **S-4**

IMP. MILLER'S YELLOW. An improved color selection from Miller's Yellow. Formerly known as "Shirley Ann." Color is clear and intense. **S-4**

HARVEST MOON. An amber-gold sport of William Sim. Richly colored. **S-4**

NOVELTIES, VARIEGATED, etc.

AGATE ATHENA. Sport of Athena. Dark salmon bands and pencilling on salmon pink background. Has the same vigor, high production, strong stem and non-splitting character of parent variety. A very refreshing, lively color with good high temperature summer retention. **S-2**

STRAWBERRY SIM. Variegated red and pink Sim sport. An over-all narrow red pencilling diffused on a pink background. Background color markedly intensifies going into mid-winter conditions. A striking novelty. **S-4**

GAIETY. Variegated Sim. Flesh pink background overlaid with bright red pencil pattern. More stable than Cooper's Variegated. **S-4**

GARNET SIM. (Streiferd) Sport of White Sim. Scarlet red background with uniform white pencilling. Production and rapid rate of return for successive crops excels most Sim varieties. The color is remarkable for its stability and intensity. It does not fade in summer. The petal edge pencilling is of sharp contrast adding a frosted appearance similar to Scarlet Sim with broader areas of scarlet red. This selection is one of the most resistant to splitting yet observed within Sim varieties. **S-2**

COOPER'S VARIEGATED. Light pink background with medium to large red pencil markings. One of the fastest and most reproductive of the Sim sports. **S-4**

MAMIE. Variegated Sim sport. White background overtoned with thin red pencil striping. **S-4**

S. ARTHUR SIM. Sport of Cardinal Sim. Uniform, narrow scarlet red bands on a pure white background. Very stable to color and pattern. Size is larger and stems are stronger than average for Sim varieties. Splitting is no problem. An outstanding variegated Sim. **S-4**

SCARLET SIM. A tone on tone Sim sport. Color ranges from an intense scarlet at the base of each petal to a frosty white at the petal margins. Color becomes most intense under low temperature winter condition. **S-4**

CASSANDRA. A lively yellow variegated. Pink pencilling. Rarely splits. Flower has excellent substance and is an outstanding keeper. **S-4**

NECTAR. Large orange-yellow variegated with broad scarlet striping. **S-4**

PEPPERMINT SIM. Pearson's selection. Pure white background with red pencilling. Uniform and stable throughout the year. Good solid flower with little splitting. Somewhat taller than S. Arthur Sim. **S-4**

PRICES

Prices apply to the number of cuttings of any one variety on order. All prices are per 100 cuttings.

Price Class	50–250	300–450	500–950	1000–2450	2500
S-5	$10.00	$ 9.50	$ 9.00	$ 8.50	$ 8.00
S-4	11.00	10.50	10.00	9.50	9.00
S-3	12.00	11.50	11.00	10.50	10.00
S-2	13.00	12.50	12.00	11.50	11.00
S-1	14.00	13.50	13.00	12.50	12.00
P	15.00	14.50	14.00	13.50	13.00

VAUGHAN'S SUPER GLOXINIA PLANTS

VAUGHAN'S SUPER GLOXINIA PLANTS are grown from the finest and most expensive imported Originators' seed. These seed have been imported from highly selected sources in SWEDEN, DENMARK, GERMANY, SWITZERLAND and LUXEMBOURG, and they produce the most beautiful gloxinia plants in the world. No gloxinia plants grown from tubers can approach these seed plants for beauty of foliage and very heavy flowering of blossoms four to five inches in diameter and heavily ruffled, some strains being so heavily ruffled with ten to twelve petals in the blossom that they appear double. They are easily grown from our stock seed plants if directions of the grower are followed and are **GUARANTEED** to produce the finest gloxinia plants in the world. All grower's stock seed plants are grown in steam sterilized soil and under ideal conditions to promote very heavy flowering over a long period and are clean and vigorous. Foliage of finished plants is flexible to permit easy packing. Plants are shipped either in two inch bands or out of 2½ inch pots in waxed paper pots, both at the same price. These plants will flower and be in excellent salable condition in 60 to 80 days.

VARIETIES

SOVEREIGN. Very large plant, five inch heavily ruffled crimson red blossoms.

IMPERATOR. Compact flexible foliage, large heavily ruffled scarlet red blossoms.

IMPERIAL. Brilliant Scarlet, darker throat, lighter edging, heavily ruffled.

CARDINAL. Flashing Cardinal red; compact flat foliage; ruffled 4 to 5 inch blossoms.

VULCAN. Fiery red, dark striations running down into tube; ruffled 4-5 inch blossoms.

EMPEROR. Bright cherry red with pure white ruffled edging.

SAPPHIRE. Dark velvet purple, ruffled blossoms; very heavy budding and blooming.

BLUE STAR. Medium to light blue with ivory throat; excellent bloomer; heavy budding.

AVE MARIA. Pure white, heavy blossoming on excellent foliage. (Grown on order only).

Plants measure five to six inches when shipped.

Packed 50 plants per carton. Minimum of 25 of one variety. Minimum order 50.

Shipping weight, 17 to 20 pounds.

Air freight is best method of shipment and costs the same as Railway Express when on a single line haul and when shipment weighs 100 or more pounds. Not economical for shipments under 100 pounds. Shipments are made by Railway Express in securely packed containers unless otherwise designated. Please state method of shipment.

PRICES

$25.00 per Hundred **$225.00 per thousand**
(500 and up at thousand rate)

Winter packing $1.00 extra per case of 50

SPECIAL

FIRST TIME EVER SEEN—VAUGHAN'S SUPER **DOUBLE** GLOXINIA PLANTS AVAILABLE OCTOBER 1st., on IN LIMITED QUANTITIES. PRICES ARE 50% above REGULAR VARIETIES AS SHOWN ABOVE AND NO DISCOUNT FOR ANY NUMBER LESS THAN 1,000 which will carry less 10% discount.

	Per 100
VAUGHAN'S SUPER GLOXINIA, GORGEOUS **DOUBLE** RED	**$37.50**
VAUGHAN'S SUPER GLOXINIA, GORGEOUS **DOUBLE** RED AND WHITE	**37.50**

BE ASSURED OF YOUR SUPPLY BY BOOKING WELL IN ADVANCE. THIS IS A SENSATIONAL DOUBLE GLOXINIA AND SHOULD COMMAND PREMIUM PRICES. APPROXIMATELY 65% TO 75% TRUE DOUBLES.

QUANTITY DISCOUNTS

2,500 or more—Less 10% of thousand rate.
5,000 or more—Less 15% of thousand rate.

SHIPMENTS: AT ONCE or any day in the year. At Once shipments subject to minor substitutions of varieties within the same color range.

QUANTITY DISCOUNT Applies to total number booked at one time but may be shipped over any period on buyers' schedules at his direction. Should any cancellation be necessary, buyer will be billed any additional amount according to total number shipped.

GERANIUMS 2¼ (F.O.B. Midwest Growers)

	100	1000
RED		
Better Times, Imp. Ricard, Irene or Olympic	$16.00	$150.00
Dk. Red Irene	16.00	150.00
Rodio Red, Red Fiat or Red Landry	16.00	150.00
PINK		
Enchantress Fiat	17.50	165.00
Magnificient	17.50	165.00
Penny (Irene)	16.00	150.00
Pink Fiat	16.00	150.00
Pink Cloud	20.00	180.00
Springtime	20.00	180.00
SALMON		
Beaute Poitevine or Mme. Londry	16.00	150.00
Mory Angela	23.00	220.00
Salmon Irene	18.50	175.00
Salmon Supreme	16.00	150.00
WHITE		
Mme. Buchner or Snowball	16.00	150.00

Minimum order 100 plants.

GERANIUM CUTTINGS

CALIFORNIA GROWN

PRICE LIST AND VARIETIES

Alwoys (Limited)
Apple Blossom
Avalon Red (Limited)
Better Times
Beauty of Poitvine
Colifornio Beauty (Limited)
Dork Red Irene
Gloede
Gregersen's White
Imp. Ricord
Imp. Red Fiat
Irene
Irvington Beauty
Madonna
Mme. Buchner
Mme. Landry
Olympic Red
Penny Irene
Pink Phenomenol
Pride of Comden
Red Fiat
Red Londry
Rodio Red (Limited)
Salmon Irene
Snowball
Salmon Ideal
Mitchell's Sensatian
Salmon Supreme

PRICES ON ABOVE

Unrooted $35.00 per 1000, Calloused $60.00 per 1000 Rooted $75.00 per 1000

ENCHANTRESS FIAT & PINK FIAT (LIMITED)

PRICES ON ABOVE

Unrooted $40.00 per 1000, Calloused $60.00 per 1000, Rooted $80.00 per 1000

All above prices f.o.b. Californio

WE RECOMMEND THAT ALL GERANIUM CUTTINGS FROM THE WEST COAST BE SHIPPED VIA AIR FREIGHT TO NEAREST AIRPORT IN YOUR VICINITY. AIRPORT TO PHONE BUYER ON ARRIVAL (Your telephone number to be supplied) olso name of Airport

AGERATUM

STRONG ROOTED CUTTINGS	100	1000
Imp. Riverside dwarf.	$3.00	$22.50
Masterpiece, Taller than Riverside	$3.00	22.50
Devon Blue, taller than Riverside	3.00	25.00
Pink Beauty, dwarf	3.00	25.00
Pure White	3.00	25.00
Strong 2¼ inch on the above	7.50	70.00
ACHYRANTHUS R. C.	100	1000
Brilliancy	4.00	35.00
Yellow	4.00	35.00

CHRYSANTHEMUMS

The Year Round production of Chrysanthemums is fast becoming more popular. Our complete Mum catalogue and manual will be mailed on or about Dec. 1st.

BEGONIAS

	Per 100
CORALLINE LUCERNE (TRUE ANGEL WING), 2¼"	$25.00
GENEVA SCARLET, 2¼"	25.00
WHITE, 2¼"	25.00
WESTPORT BEAUTY, 2¼"	25.00

BEGONIAS STANDARD VARIETIES. 2¼-inch. per 1,000, $110.00 $12.00

CHRISTMAS BEGONIAS

	100	1000
LADY MAC, MARJORIE GIBBS AND MELIOR. 2¼-inch	$42.50	$375.00
LADY MAC, MARJORIE GIBBS AND MELIOR. 3-inch	55.00	

SCANDINAVIAN VARIETIES for Christmas Blooming

TOVE, KAROLINA, RED SOLFHIEM, DARK SOLBACHEN 2¼" 47.50 425.00

REX BEGONIAS

American and European Varieties

Sold in assorted varieties only. An ideal plant for pottery or for growing into a pot plant. The varieties we offer have various shades of colorings and markings. 2¼" pots @ $35.00 per 100.

Hydrangeas—Pot Grown

All Prices per 100 Plants
In Units of 25 Per Variety
F. O. B. Dundalk (Baltimore), Md.

Pot Sizes / Number of Shoots		SPRING DELIVERY For Growing On: Rooted Cuttings	3" 1 Shoot	FALL DELIVERY—DORMANT For Forcing For Easter and Mother's Day: 3" 1 Shoot	4" 2 or More	5" 3 or More	6" 4 or More
1957 INTRODUCTIONS	per 100						
*Alpengluhn	(M) Light Red						
Flambayant	(M) Medium Pink						
Mante Forte Perle	(M) Carmine Red						
Sainte Therese	(M) Best White	$30.00	$50.00	$50.00	$80.00	$100.00	$150.00
Sanctis	(E) Medium Red						
Todi	(M) Dark Pink						
Zurich	(E) Light Red						
NOVELTIES	per 100						
*Merritt's Blue	(M) A Gaad Blue						
Red Star	(M) Brilliant	20.00	40.00	40.00	70.00	90.00	125.00
*Rase Supreme	(M) Rase Pink						
STANDARD VARIETIES	per 100						
Hamburg	(E) Carmine						
*Kuhnert	(M) Rase Pink	16.00	30.00	30.00	60.00	80.00	100.00
*Merveille	(L) Light Red						
Regula	(E) White						
Straffard	(M) Dark Pink						

*These Varieties Blue Easily—(E) Early (M)—Mid-Season (L)—Late

NOTE: "Our Selectian"—Billed Accarding ta Varieties Shipped.

HYDRANGEAS—Pot Grown

FOB Urbana, Ohio

Dormant stock for Fall and Winter sales in tested and most popular varieties.

	4"	5"			
	1 cane	2 cane	3 cane	4 cane	5 cane
Hamburg (E)	40c	55c	70c	85c	$1.00
Kuhnert (M), Blues easily	40c	55c	70c	85c	$1.00
Regula (E), Best white	45c	65c	80c	95c	$1.10
Straffard (M)	45c	65c	80c	95c	$1.10
Mereveille (L)	45c	65c	80c	95c	$1.10

(E) Early; (M) Midseason; (L) Late

QUANTITY DISCOUNT: For orders of 250 or more in EACH cane size or EACH variety, a quantity discount is allowed of 2½c per plant from the above listing.

BROWALLIA (March-April) 100
Speciosa Major Blue 2¼" $10.00

CALCEOLARIA

Seedling Type 2¼". 100
Multi. Nana, Triumph & Multi. Nana Gilberts $20.00
Grown from cuttings. 2¼".
Mary Louise, Suzanne, New York, Pink Perf., Imp. Perf., Cherry Queen, Rasa, Brilliant, Stewartii, G. Talisman Yel., Pure Flame (minimum order 50 plants) 30.00

DUSTY MILLER (Fern Leaf) R.C.

	100	1000
R.C.	$5.00	$45.00
2¼".	10.00	

LANTANAS

Alba Perfecta—best white—strong grower
Craigi—red—shortest of the reds
Delicatissima—coral and yellow
Dwarf Beauty—pink shading to pale yellow
Dwarf Buckeye—burnt orange
Galden King—lemon yellow
Jacab Schultz—red, an old favorite
Lady Olivia—pink
La Pleur D'ar—deep yellow
Michael Schmidt—red shading to yellow
Radiatian—red, orange and yellow center
Sensatian—pink, shading to yellow center
Sunset—yellow and red
Tethys—cream yellow
Weeping—lilac to rosy pink

Above varieties, 2¼" $10.00 per 100, 95.00 per 1000

Sauthern—yellow shading to buff (Very dwarf-large flowers)

Gald Maund—Trailing-bright golden yellow Small foliage—more vigorous grower and freer flower than its parent, Goldrush.

Galden Pillar—Another seedling of Goldrush with same bright golden yellow flowers and small foliage, but very compact, dwarf upright growth.

Silver Maund—Trailing, creamy white—small foliage—strong grower and free flowering, usually sweet scented.

Above varieties, 2¼" $ 13.00 per 100, 120.00 per 1000

No orders accepted for less than 25 plants of a variety, which earns the 100 rate. 250 plants of a variety earns the M rate.

DECORATIVE PLANTS

FOB Urbana, Ohio

			Per 100
AGLAONEMA MODESTUM (Chinese Evergreen), 2¼"			$25.00
3"			35.00
ALUMINUM PLANT (Pilea cadierrei),			
New Dwarf var., 2¼".			20.00
Rooted cuttings			12.50
APHELANDRA LOUISA, 2½"			75.00
ARALIA ELEGANTISSIMA, 2¼"			35.00
3"			50.00
4½"—18 to 24"			100.00
ARALIA SIEBOLDI, 2¼"			15.00
CHRISTMAS CACTUS (Lobster Plant), 2¼"			15.00
CISSUS Antartica, 2¼"			25.00
Discolor, 2¼" (Variegated Kangaroo Plant)			25.00
CRASSULA Arborescens (Jade Plant), 2¼"			10.00
DIEFFENBACHIA Picta, 2½"			35.00
3"			50.00
DIEFFENBACHIA Rudy Roehrs, 2½"			50.00
3"			75.00
DRACENA Godseffiana, 2¼"			20.00
Sanderiana, 2¼"			20.00
EUPHORBIA, Splendens (Crown of Thorns) 2¼"			20.00
FITTONIA Argyroneura (white veins) 2¼"			20.00
FICUS Elastica Decora 7"	each	3.50	
HOYA CARNOSA Variegata (Wax Plant) 2¼"			35.00
IVY Baltica, 2¼"			10.00
Curly, 2¼"			15.00
English Broad Leaf, 2¼"—$75.00 per M			8.00
Grape (vitis rhombifolia), 2¼", $110.00 per M			12.00
Green Ripple, 2¼"			10.00
Hahn's New Variegated (small leaf), 2¼"			15.00
Hahn's Self Branching, 2¼"			10.00
3"			35.00
Ideal, 2¼"			10.00
Large Leaf Variegated, 2¼"			20.00
Pixie, 2¼"			15.00
LEMON (Ponderosa American Wonder, 2¼"			25.00
Two year plants, 3"			50.00
NEPHTHYTIS Imperial White, 2¼"			25.00
Green Gold, 2¼"			20.00
Liberica, 2¼"			10.00
ORANGE (Dwarf, Otaheite) 2¼"			35.00
3"			75.00
4"	each	2.00	
5"	each	6.00	
PALM, Chamaeodrae Elegans, 2¼"			25.00
3" (two plants)			40.00
PEPEROMIA Obtusifolia (green), 2¼"			10.00
Obtusifolia variegata, 2¼"			15.00
Emerald Ripple, 2¼"			20.00
Pericattii, 2¼"			15.00
Sandersii, spaced plants, 2¼" (Watermelon Begonia)			20.00
PHILODENDRON Cordatum, 2¼"			15.00
3" (3 plants)			40.00
6" Totem Pole	each	2.00	
Dubia, 3"			75.00
5"	each	1.50	
Florida, 5"	each	1.50	
Hastatum, 3"			75.00
Hybrids, 2¼"			25.00
Panduriforme, 3"			75.00
5"	each	1.50	
Pertusum, 5" (2 plants)	each	2.00	
7"	each	2.50	
POTHOS Wilcoxi, 2¼"			15.00
Marble Queen, 2¼"			25.00
3" (2 plants)			35.00
RHOEO Discolor, 2¼" (Moses in the Bulrushes)			25.00
SANSEVIERIA Hahni rosette, 2¼"			15.00
Hahni variegata, 2¼"			15.00
Laurenti, 2¼"			25.00
3"			40.00
6"	each	1.75	
Zeylonica, 2¼"			10.00
SCHEFFLERAS, 2¼"			22.00
2½"			25.00
3" (2 plants)			50.00

PELARGONIUMS

Size	Per 100	Per 1,000
R.C. Standard Varieties	$15.00	$140.00
2¼ inch	20.00	190.00

POINSETTIA 2¼"

(August-Sept. delivery)

Barbara Ecke Supreme	$25.00	$225.00
Imp. Albert Ecke	25.00	225.00
Ecke White	22.50	200.00
Ecke Pink	19.00	175.00

POINSETTIA

STOCK-PLANT PRICE LIST

NEW ECKE PINK. Blooming and growth habits same as regular Pink but having long bracts similar to the Oak Leaf type, which makes it very desirable.

BARBARA ECKE SUPREME. Definitely the most popular variety. Patented variety sold only under patent restrictions. The finest of all pot-plant varieties for the central and northern part of the United States. Stock plants produce freely, can be soft pinched and have the finest-colored bracts.

POINSETTIAS—(Cont.)

INDIANAPOLIS RED. Exceptionally fine variety for the southern states. Grows short and stooky.

BARBARA ECKE SUPREME, INDIANAPOLIS RED, ECKE WHITE, and **NEW ECKE PINK:**

Per 100:	Super Jumbo—$180.00	#1—$120.00	#3—$60.00
	Jumbo— 150.00	#2— 90.00	*#4— 40.00

IMPROVED ALBERT ECKE, MRS. PAUL ECKE, RUTH ECKE, OAK LEAF, and **PINK:**

Per 100:	Super Jumbo—$150.00	#1—$100.00	#3—$60.00
	Jumbo— 125.00	#2— 80.00	*#4— 35.00

DOUBLE HENRIETTE ECKE and **ST. LOUIS:**

Per 100:	Super Jumbo—$135.00	#1—$ 85.00	#3—$45.00
	Jumbo— 110.00	#2— 65.00	*#4— 25.00

Above prices f.o.b. eastern points of distribution, c/o Railway Express Agency

*All #4 plants should be shipped by Railway Express direct from Encinitas to carry through successfully.

AT THE PRESENT TIME WE ARE ABLE TO RESERVE SUPER JUMBOS IN ALL VARIETIES. ON ALL ORDERS MAILED AFTER JANUARY 1, 1959 A 10% PACKING CHARGE WILL BE MADE. CHANGES IN ORDERS WILL BE ACCEPTED UNTIL FEBRUARY 1, 1959.

PRIMULA	100	1000
Malacoides seedlings	$ 6.00	$ 57.50
Malacoides 2¼ in.	12.00	110.00
Obconica, seedlings	6.00	57.50
Obconica 2¼ in.	12.00	110.00

VERBENA. Schlosser's Pride, Mayflower, Royal Purple, Beauty of Oxford, cerise, Beauty of Oxford, pink, Beauty of Oxford, scarlet, Beouty of Oxford, lovender, Pure White.

ROOTED CUTTINGS	$3.25	$35.00
Candystick, Pink & White (S00 at 1000 rate)	4.00	35.00

VINCA VINES

VINCA, Variegata 2¼ in.	11.00	100.00
R.C.	4.25	40.00
Rooted layers (Sept.-Oct. only)	4.25	40.00

FOLIAGE PLANTS

F.O.B. Florida

Item	10	100	1000
AGLAOENEMA Simplex (Chinese Evergreen)			
3 to 5", 3 to 6 leaves		$ 7.00	
4 to 6", 4 to 6 leaves		10.00	
6 to 8", 5 to 7 leaves		20.00	
Commutatum, 2¼", 4 to 8 leaves		25.00	
Treubi, R.C., 6 to 8 inch		35.00	
DICHORISANDRA Reginae, R.C.		7.50	
DIEFFENBACHIA Picta, 3", 4 to 8 leaves		35.00	
Roehrsii, 3", 4 to 8 leaves		40.00	
DRACAENA Godseffiono, 2¼", 4 to 6 leaves		15.00	
Sanderiano, 2¼", 6 to 10 leaves		20.00	
R.C., 6 to 10 leaves		15.00	
Mdme. Eugene Andre, R.C., 6 to 10 leaves		20.00	
2½" plastic, 6 to 12 leaves		35.00	
Massangeano, U.R.C.		22.50	
R.C.		30.00	
3" pots	4.50	37.50	
4" pots	6.50	55.00	
6" pots. Each	2.50		
FICUS Decora, M.R.L.	10.00	80.00	
4" pots.	15.00	125.00	
Doesheri, M.R.L.	5.50	50.00	
4" pots	8.00	75.00	
Elastica, M.R.L.	4.00	35.00	
4" pots	5.50	50.00	
7" pots	30.00		
Pandurata, M.R.L.	5.50	50.00	
4" pots	8.00	75.00	
5" pots	10.50	100.00	
8" pots Each	3.50		
FICUS RADICANS Voriegata, R.C.		7.50	
2"		25.00	
MARANTA Kerchoveana, 2¼", 4 to 8 leaves.		15.00	
R.C., 3 to 7 leaves.		7.50	
MONSTERA Delicioso, U.R.C.	5.50	45.00	
4" pots.	10.00	95.00	
6" pots.	26.50	250.00	
(Specimens double), 8" pots Each	3.50		
NEPHTHYTIS Emerald Gem, 2¼", 4 to 7 lvs.		10.00	
R.C., 3 to 5 leaves.		6.00	
Green Gold, 2¼", 4 to 7 leaves.		15.00	
R.C., 3 to 5 leaves		6.00	
Imperial White, R.C., 4 to 7 leaves		10.00	

SEERSUCKER; FICUS RADICAN; DECHORISANDRA REGINAE; TRICHOSPORUM PULCHRUM

FOLIAGE PLANTS (Cont.)

	10	100	1000
PALM, Neanthe Bella, 2¼", 4 to 6 leaves		15.00	
Seedling, 2 leaves		3.50	
Seedling, 3 to 5 leaves		5.00	
Transplants, 6 to 10 leaves		8.00	
PEPEROMIA Emerald Ripple, 2¼", 5 to 8 lvs.		15.00	
R.C., 3 to 5 leaves		6.00	
Obtusifolia, 2¼", 5 to 8 leaves		10.00	
R.C., 3 to 5 leaves		6.00	
Variegata, 2¼", 5 to 8 leaves		15.00	
Variegata, R.C., 3 to 5 leaves		10.00	
PHILODENDRON CORDATUM, Runners-eyes			12.50
R.C., leaf and eye			48.75
R.C., 2 to 3 leaves			50.00
R.C., 3 to 5 leaves			55.00
2¼", 3 p.p.p.		18.00	
PHILODENDRON			
Auriculatum Imbe, Bare Root for 2½" pots		25.00	225.00
3"		60.00	
4"		100.00	
6"		200.00	
Cannitolium, Bare Root for 2½" pots.		50.00	
3"		75.00	
4"		125.00	
6"		250.00	
X Florida, Bare Root for 2½" pots		25.00	225.00
3", 2 per pot		60.00	
4", 2 per pot		100.00	
X Florida Compacta,			
Bare Root for 2½" pots		25.00	225.00
3"		60.00	
4"		100.00	
6"		200.00	
PHILODENDRON Hastatum, R.C. Medium	3.00	25.00	
3" pots	4.50	40.00	
4" pots	8.00	75.00	
4" pots double	10.00	95.00	
(Specimens), 6" pots	19.00	175.00	
Mandianum, 3" pots	4.50	40.00	
4" pots	8.00	75.00	
4" pots double	10.00	95.00	
Melinoni, Bare Root for 2½" pot		25.00	
3"		60.00	
4"		100.00	
PHILODENDRON Panduraefarme,			
R.C. Baby Pandas		10.00	
R.C. Medium		12.50	
R.C. Large		15.00	
3" pots, 2 plants	4.50	40.00	
4" pots, 3 plants	8.00	75.00	
Pertussum, Rooted Tips	8.00	75.00	
4" pots double	12.00	110.00	
(Specimens-Limited), 6" pots. Each	2.00		
Selloum Type, Bare Root for 2½" pot		25.00	225.00
3"		50.00	
4"		80.00	
6"		125.00	

PHILO FLORIDA COMPACTI

PHILODENDRON—(Continued)	10	100	1000
Wend-Imbe, Bare Root for 2½" pot		25.00	225.00
3"		60.00	
4"		100.00	
6"		200.00	
PHILODENDRONS—Bare Root Seedlings, large leaf varieties for Dish Garden work			150.00
PILEA Cadierel, R.C., 4 to 7 leaves	5.50	50.00	
2¼", 5 to 8 leaves		16.00	150.00
U.R. Tips		3.50	30.00
POTHOS Silver Marble, 2¼", 4 to 6 leaves		22.00	200.00
R.C., 3 to 5 leaves		11.00	100.00
POTHOS Wilcoxii, 2¼", 4 to 6 leaves		11.00	100.00
R.C., 3 to 5 leaves		7.00	60.00
SANSEVIERIA Laurentii,			
Under 12", 2 to 3 leaves			90.00
Under 12", 3 to 4 leaves		11.50	110.00
12 to 15", 2 leaves			100.00
12 to 15", 2 to 3 leaves			120.00
12 to 15", 3 to 4 leaves		13.50	130.00
15 to 18", 2 leaves		12.00	110.00
15 to 18", 2 to 3 leaves		13.00	125.00
15 to 18", 3 to 4 leaves		14.00	135.00
SANSEVIERIA Zeylanica, Under 8", 2 leaves		5.00	45.00
Under 8", 2 to 3 leaves		6.00	55.00
Under 8", 3 to 4 leaves		7.50	70.00
8 to 12", 2 leaves		5.50	50.00
8 to 12", 2 to 3 leaves		6.50	60.00
8 to 12", 3 to 4 leaves		8.00	75.00
12 to 15", 2 leaves		6.00	55.00
12 to 15", 2 to 3 leaves		7.00	65.00
12 to 15", 3 to 4 leaves		8.50	80.00
15 to 18", 2 leaves		6.50	60.00
15 to 18", 2 to 3 leaves		7.50	70.00
15 to 18", 3 to 4 leaves		9.00	85.00
SEERSUCKER (Geogenanthus Undate)			
R.C., Large		20.00	180.00
R.C., Medium		17.50	150.00
SPATHIPHYLLUM Kochii, R.C., 3 to 5 leaves		12.50	
4" pots	10.00	90.00	
TRICHOSPORUM Pulchrum, R.C.		7.50	
2"		25.00	

TOTEM POLES	24"	30"	36"	48"	60"	72"	84"	
Cypress—1 side	$2.00	$3.50	$4.50	$6.00	$9.00	$12.50		Each
Cypress—2 sides		5.00	6.50	8.50	13.00	17.50	$22.50	Each
Fernwood—2 sides		6.00	7.50	11.00	16.00	22.50		Each

FERNWOOD IS NOT AVAILABLE AT ALL TIMES. WE REQUEST PERMISSION TO SUBSTITUTE WITH CYPRESS IF NECESSARY.

OUR TOTEMS ARE PLANTED FULL—SHIPPED 2/3 GROWN UP THE POLES.

NOTE: PACKING CHARGE OF 50c PER CARTON ON ORDER UNDER MINIMUM.

ANY ONE VARIETY AND SIZE IN SANSEVIERIA: 250 at the "1000" rate.

POTTED PLANTS: ANY ONE VARIETY AND SIZE: 25 at the "100" rate.

ROOTED CUTTINGS: MINIMUM ORDER "100."

Supplies for the Florist Shop

S-1218 FLORIST-FOIL. Colored aluminum foil used for pot covers, etc. Rolls 20 inches wide. Colors, violet, silver, gold, green, red, purple, fuchsia, pastel green, pastel blue, and blue. Per 50-ft. roll, $1.05; 10 rolls for $10.00; 25 rolls for $23.75.

S-1268 POLKA DOT EMBOSSED FLORIST FOIL. In all colors. Rolls 20 inches wide, 50 feet long, each, $1.15; 10 rolls, $11.00; 25 rolls for $26.25.

CARNATION PACK

S-1205 Your carnations deserve proper packing. Price 1,000, $30.25; 5,000 for $123.75; 10,000 for $231.00, 15 to 25 M, at $20.35 per M. Sold only in original cartons of full 1,000. Printing 1 color $2.75 per 1,000 extra. 10,000 or more printed 1 color free.

S-1205A MUM PACK. Price 1,000 for $20.35; 5,000 for $82.50; 10,000 for $148.50. PRINTING 1 color $2.75 per 1000. 5000 or more, $1.35 per 1,000.

PAPER—WRAPPING, TISSUE, WAX

SOLD IN FULL ROLLS ONLY

24" roll weighs approximately 35 lbs. 30" roll weighs approximately 47 lbs. 36" roll weighs approximately 57 lbs

S-1243 GREEN FLORIST WRAPPING PAPER. Say It With Flowers. Distinctive wrapping paper created for exclusive use of florists. Its extra strength and pliability insure neat appearing packages. The rich two-tone floral background and distinctive floral slogan makes every package wrapped in Floral Wrap an attractive package. Price per lb. 32c; 5 roll lots, 30c lb

S-1242 BROWN KRAFT WRAPPING PAPER. In rolls 24 inch, 30 inch and 36 inch. Price per lb., 15c.

S-1283 PURE WHITE GLAZED FLORIST TISSUE. The best grade white glazed 11 lb. basis. 24x36 inches, F. O. B. Chicago, ream (480 sheets), $3.75; 10 reams (4,800 sheets), $32.50.

Prices on Paper Subject to Market Changes

S-1302 GREEN WAX TISSUE ROLLS 3". Handy wax tissue for all types of wire designs. Prices per box of 12 rolls, $3.50.

S-1213 WATERPROOF CREPE PAPER. In green, red, blue, white, pink, lavender, yellow, purple; per roll, 50c; 12 rolls for $5.80; 50 rolls for $22.50.

MOSS FILLED DESIGNS STURDILY WIRE REINFORCED

Ready for Immediate use. Will not harden with age. Filled with only the best grade dry long-fibered Sphagnum Moss. Saves time and labor in making up sprays etc Net prices. All designs shipped f.o.b. factory Millston, Wis

Spray Bars

3½" wide, 2" thick

Length	Ea.	Length	Ea.
8"	$0.26	18"	$0.45
10"	.29	20"	.50
12"	.31	22"	.54
14"	.34	24"	.57
16"	.38	30"	.64

Spray Bars

4½" wide, 2½" thick

Length	Ea.	Length	Ea.
18"	$0.65	36"	$1.07
24"	.78	42"	1.21
30"	.93	48"	1.32

Spray Bars

6" wide, 2½" thick

Length	Ea.	Length	Ea.
24"	$0.93	42"	$1.42
30"	1.07	48"	1 78
36"	1.25		

Crosses

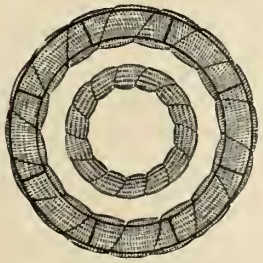
Size	Ea.	Size	Ea.
18"	$0.79	30"	$1.44
20"	.88	33"	1.61
22"	.99	36"	2.26
24"	1.11	42"	3.11
27"	1.25	48"	3.65

PILLOWS NEW IMPROVED

Size	Each
14 inches	$2.30
16 inches	2.73
18 inches	3.08
21 inches	3.47
24 inches	3.95

SOLID HEARTS

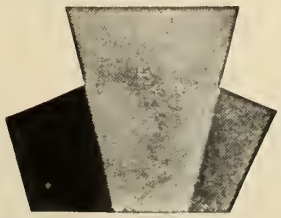
Size	Each
14 inches	$1.78
16 inches	2.33
18 inches	2.94
20 inches	3.37
22 inches	4.05
24 inches	4.43



Wreaths

Size	Ea
10"	$0.42
12"	.48
14"	.59
16"	.68
18"	.76
20"	.89
22"	.98
24"	1.11
27"	1.38
30"	1.75

S-1299 STATICE NATURAL WHITE. Used extensively in Wreaths and Baskets. Natural per lb., $1.10; 5 lbs. for $4.25.
Write for prices on larger quantities.



S-1211 CARNATION SAF-PAK. One piece, saves time and labor. Gives complete support. Eliminates breakage in shipment. Enhances beauty of flowers. Shipping boxes which previously held 700 carnations can now, with the use of Saf-Pak, hold up to 900 carnations without breaking flowers. Saves space and express charges. Prices of unprinted Saf-Paks, 1,000 for $27.00, 5,000 for $130.00, 10,000 for $225.00, 25,000 for $512.50 and 50,000 for $950.00. Printing $2.50 per 1,000. For more than four lines of printing there would be an extra charge.

TWINE

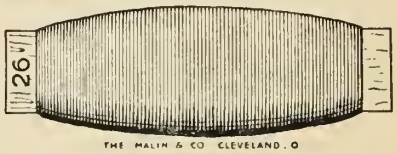
S-1307 "THE QUEEN" WHITE COTTON TWINE. 3 or **S-1308** 4-ply. Put up in 5-lb. sacks, 30 balls to a sack, $4.45; 5 bags for $20.00.

GREEN SEA ISLAND TWINE

S-1281 2 lbs., per cone, $2.85; 3 cones for $8.25.

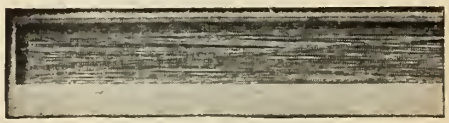
HYACINTH STAKES (Matchsticks) Green

S-1560 12 in. per 1,000, $5.00; per case of 4,000, $19.00. 15 in. per 1,000, $5.60; per case of 4,000, $21.40. 18 in. per 1,000, $6.10; per case of 4,000, $23.40.



MALINS EXTRA SOFT FLORAL BINDING WIRE

S-1216 Handy for tying sprays, bunting, wreaths, etc. Put up in boxes of 20-¼ lb. sticks, total weight per box 5 lbs. #28, $4.30 per box; #32, $5.15 per box. We do not break boxes.



FLORISTS' CUT WIRE

S-1312
Clean, extra soft wire, 18-inch lengths, 12 lbs. to box.

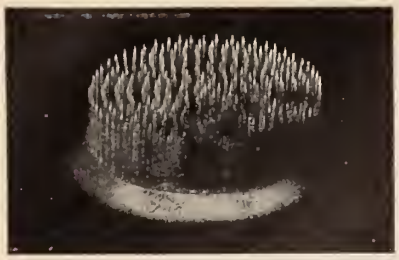
No. 18	20	21	22	24	26
$3.60	$3.80	$3.85	$4.00	$4.65	$5.10

GALVANIZED BENCH WIRE

S-1314 Used for stringing benches in Carnation and Rose houses. No 16, 100-lb. coil, $22.20. No. 18, 100-lb. coil, $25.00, minimum order 50 lbs.

VAUGHAN'S GREENHOUSE WHEELBARROW

S-502 Made especially for use in greenhouses between the benches. Dimensions are as follows: Box, 15 in. wide at wheel end; 19½ in. wide at handle end; 11¾ in. deep. The bottom of the box is matched and glued together, and there is no crack against which a shovel might run. The axle is 16 inches wide. Made of best material. Legs reinforced, spread of handles at hand-hold 20 in., which is extreme width of barrow. With Pneumatic Tire, $29.95.



PIN TYPE FLOWER HOLDERS

S-1219 Solid Brass Needle pointed nails. Closely cast in heavy lead alloy base. Guaranteed not to rust. Sprayed with aluminum metallic paint

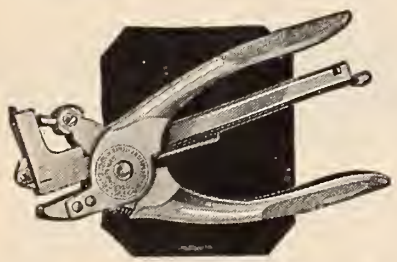
No.	Weight Per Doz.	Size of Base Round Style	Price Per Doz.	Retail each
No. 0	2 lbs.	1⅜"	$1.50	$ .25
No. 1	3 lbs.	1⅝"	2.10	.35
No. 2	5 lbs.	2⅛"	5.10	.85
No. 3	6 lbs.	2⅝"	6.90	1.15
No. 4	10 lbs.	3⅛"	8.10	1.35
No. 5	14 lbs.	3⅝"	11.10	1.85
No. 6	20 lbs.	4¼"	16.50	2.75
No. 7	30 lbs.	6"	22.50	3.75

No.	Weight Per Doz.	Oval style	Price Per Doz.	Retail each
No. 8 Oblong	6 lbs.	1⅜" x 3½"	$6.00	$1.00
No. 9 Oval	6½ lbs.	1⅞" x 3½"	6.90	1.15
No. 10 Oval	9 lbs.	2¼" x 4⅜"	10.50	1.75
No. 65 Rect.	9 lbs.	1⅛" x 5"	7.50	1.25

NEVA-CLOG STAPLING PLIERS

Florists Save Time and Make Money with Wide-Jaw Neva-Clog Stapling Pliers

S-1295 FLORISTS' MODEL S100. For wrapping plants and cut flowers, making up corsages, wreaths and light baskets, making paper flower pot covers, attaching delivery tags to plants and flowers, sealing seed and bulb envelopes and 101 other uses. Jaw opening ⅜ inch, throat depth ¾ inch, uses ¼-inch and ⅜-inch staples as listed elsewhere on this page. Price, each $5.25; 3 for $15.00; Postage Extra.



STAPLES

All Neva-Clog staples are sharpened at the points to make easy penetration of material. The forming is perfect and the cohering very strong to prevent strips breaking upon being handled at high speed.

S-1285 A—1,000 ¼-inch legs. . . . Per Box of 5,000, $1.75; 10,000 for $3.30; 25,000 for $7.50; 50,000 for $14.00.

S-1287 L—1,000 ⅜-inch legs . . . . Per Box of 5,000, $2.00; 10,000 for $3.80; 25,000 for $8.75; 50,000 for $16.00.

S-1296 Model J-30 Lightweight Stapler Each $4.25

S-1297 Model DJ-340 Staples for Model J-30 . . . Per Box of 5,000, $1.50.

Plant Stakes, Supports, and Ties

S-1502 BAMBOO STAKES, Green Painted. We do not split bundles of 250.

	F.O.B. Chicago Per 250	Chicago Per 1000	Per Bale of 2000	F.O.B. New York Per 250	New York Per 1000
1½ feet	$1.25	$ 3.50	$ 6.00	$1.25	$ 3.50
2 feet	1.50	4.50	8.00	1.50	4.50
2½ feet	1.75	5.50	10.00	1.75	5.50
Natural. 6 ft.	6.75	24.50	.....	6.75	24.50
3 feet	2.25	7.25	13.00	2.25	7.25
3½ feet	2.75	9.00	16.00	2.75	9.00
4 feet	2.95	10.00	18.00	2.95	10.00
6 ft. green	7.00	25.00	.....	.....	.....

S-1537 SPLIT BAMBOO STAKES. Green-thin but strong. Sold in full bales only.

	Per bale of 5,000
12 in.	$10.00
15 in.	14.00
18 in.	16.00
24 in.	24.00

S-1539 HEAVY TONKIN STAKES, NATURAL COLORS. Heavy weight bamboo. Entire stake same weight, does not taper. Ideal for roses, dahlias, young trees, etc. Just the thing for florists and nurserymen.

Length	Diameter	F.O.B. New York Per 100	F.O.B. Chicago Per 100
4 feet	½ to ⅝ inch	$ 7.00	$ 7.50
5 feet	⅝ to ¾ inch	9.50	10.00
6 feet	⅝ to ¾ inch	10.50	11.50
7 feet	⅝ to ¾ inch	16.00	17.00

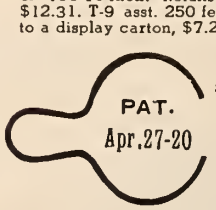
GALVANIZED WIRE STAKES

	No. 8 ga. S-1555 per 1000	No. 9 ga. S-1556 per 1000
3 feet	$33.60	$29.00
4 feet	44.60	39.00
5 feet	56.60	49.00
	No. 8 ga. per 1000	No. 9 ga. per 1000
6 feet	$68.00	$58.00
7 feet	79.00	68.00
8 feet	90.00	78.00

Prices subject to change without notice.

S-1545 New handy utility plant ties, deep green color, same shade as foliage of plants. Do not break or come loose. The wire running through the center of tape makes them unbreakable and they cannot come unfastened. Tape protects stem against injury. For all types of plants and other vegetable crops. Price 4 inch per 1,000, 90c; 25,000 lots at 83c per 1,000; 8 inch per 1,000 $1.60; 12,500 lots at $1.45 per 1,000; 12 inch per 1,000, $2.35; 12,500 lots at $2.23 per 1,000; 16 inch per 1,000, $3.25; 10,000 lots at $2.90 per 1,000. Write for prices on larger quantities.

S-1544 TWIST-EMS ASSORTMENTS. Assortment T-7 contains 36 pkgs. of 100-8-inch. Retails at 29c per pkg. Price per asst., $6.26. T-8 asst. contains 36 pkgs. of 100-16-inch. Retails at 57c per pkg. Per asst., $12.31. T-9 asst. 250 feet continuous roll packed 12 to a display carton, $7.20, retails at $1.00 per roll.



S-1244 PLANT TIES LIGHTING WIRE. Per box of 1,000, $2.35; 5 or more boxes, $2.25 per box. Shipping weight per box, 2 lbs.

S-1538 EVERLASTING STAKE FASTENERS. Packed 500 to a box, per box, $2.85; 10 boxes or more, $2.75 each.

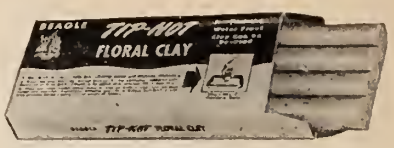
Raffia weights subject to moisture fluctuation.

S-1527 RAFFIA. Natural, Best Grade. Lb., 75c; 5-lb. lots, per lb. 70c; 10-lb. lots, per lb. 65c; 25-lb. lots, per lb., 60c; 100 lbs., per lb., 54c. Bale lots (about 225 lbs.), per 100 lbs., $50.00.

S-1526 DYED—Green, Per lb., $1.10; 5 lbs., for $5.25; 10 lbs., at $1.00; 25 lbs., at 95c.

WIRED PICKS

S-1554 3-inch Green, case of 40,000, $33.25; **S-1557** Box of 8,000, $7.40. **S-1554** 4-inch Green, case of 10,000, $13.25.



S-1220 TIP-NOT FLORAL CLAY. Waterproof—Odorless—Permanently Plastic. Used to anchor flower holders, candles, figurines, dry arranging materials, etc. securely to the bottom of any floral container. Colors: Floral Green only. Model 81 display carton of 24—15c pkgs., $1.80, Model 82 display carton of 12—25c size, $1.50; Model 83 1 lb. retails at 60c, carton of 5—1 lb. for $1.50.

S-1201 PATTERN ALITA No. 3. Corsage ribbon in all colors. 50 yard bolt. Each, 60c. 10 bolts for $5.00.

S-1202 PATTERN ALITA No. 5. A fine quality ribbon, excellent for tying mats and crepe paper around pots, also used for making bows, baskets and wreath work. Can also be used for corsages. Comes in all colors. 50 yard bolt.
Each, 80c; 10 bolts for $7.00

S-1210 CORSAGE PINS. Round 2½" Pearl heads, finest made, assorted colors. Per gross, 90c; 10 gross for $8.25.

S-1278 SCOTCH CELLULOSE TAPE TRANSPARENT ½ in. wide x 2592 inches, price per can of 2 rolls, $1.84; 12 rolls at $0.83 per roll; 36 rolls at 76c per roll.

S-1280 SCOTCH CELLULOSE TAPE DISPENSER. Model C-23, each $3.95.

S-421 LEAF-GLOW AEROSOL BOMB. Original spray for shining leaves. Contents 5 oz. Retails at $1.00 each; carton of 12, $7.20; 16 oz., professional size, retails at $2.25 each; per carton of 12, $15.00. 1 only each $1.35, postpaid $1.60.

GREEN FLOWER TUBS

S-1433 Securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Florists will find them ready sellers where a substantial yet attractive tub of moderate price is required. Prices F. O. B. Chicago. Prices subject to change without notice.

Inside top Dia.	Depth Inside	Price Each	Per Doz.
7 in.	7 in.	$1.40	$14.40
8 in.	8 in.	1.50	15.20
10 in.	9 in.	1.85	19.60
12 in.	11 in.	2.50	28.40
14 in.	13 in.	4.10	44.00
16 in.	15 in.	4.60	51.00

BEAUTIFUL CALIFORNIA PLANTTUBS MADE OF REDWOOD

S-1432 For utility and beauty in any garden, impregnated with linseed oil to preserve natural beauty of wood. Rounded top and bottom edges to prevent splintering. Made of well seasoned California redwood. Bound with brass bands. Ventilation under tub. All tubs are octagonal design.

Model	Outside Height	Inside Diam.	Wt. Per Tub	Each	Price 6 for	Retail
010—12 in.	10 in.		4 lbs.	$2.60	$14.00	$3.65
012—12 in.	12 in.		5 lbs.	3.20	17.55	4.50
014—14 in.	14 in.		8 lbs.	4.20	23.40	6.00
016—16 in.	16 in.		12 lbs.	5.25	29.10	7.50
018—18 in.	18 in.		14 lbs.	6.00	33.50	8.60
020—20 in.	20 in.		16 lbs.	7.50	41.70	10.75

Jardier

America's Finest Low Cost Maché Floral Containers Guaranteed Waterproof. ORDER some TODAY! Sold in full cartons only.

-1426 No. 800 FANTASY. Top 10½ inches x 4½ inches at ends, 5¾ inches at center. Depth, 10 inches. Attractive fan-type case with exclusive features. Embossed panels form rectangular corners inside which prevent stems from shifting. Wide flat bottom and weighted base. White, per carton of 12, $5.64. Weight 22 lbs.

S-1425 No. 600 WEDGEWOOD. Top opening 10½ inch x 4½ inch at ends, 6¼ inch at center. Depth 7¼ inches. Wide base assures stability. Wide curved ends prevent kinking and breaking stems. Very strong. White, per carton of 20, $4.60; weight 16 lbs.

ROUND VASES

S-1420 No. 400 Rose Vase. Height 10 in., Top Diam. 5¼ in. White, per carton of 20, $5.40; weight 19 lbs.

S-1421 No. 500 Spray Vase, Height 10 in., Top Diam. 7½ in., White, per carton of 18, $7.56; weight 28 lbs.

S-1422 No. 700 Mum Vase, Height 13 in., Top Diam. 9½ in., White, per carton of 12, $9.00; weight 33 lbs.

S-1424 TRIUMPH JARDINIERS RIMMED TOP TARRED BOTTOM

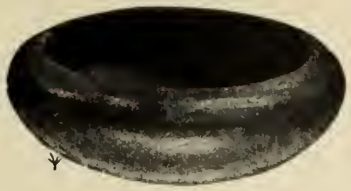
Sizes	Top Diameter Inside	Depth	No. per carton	Approx. wt. per carton	Price per carton
No. 4J-1	5¼ in.	5 in.	44 white	15 lbs.	$ 4.40
No. 5J-1	6¾ in.	6½ in.	35 white	20 lbs.	5.25
No. 6J-1	7¾ in.	7½ in.	35 white	25 lbs.	7.00
No. 7J-1	8¾ in.	8 in.	24 white	24 lbs.	6.24

THE JARDIER BULB BOX

The Jardier box is absolutely waterproof. Place the soil and plants directly into the Jardier. It is the least expensive and most practical method of carrying out the beautiful box idea. Jardier Boxes are self-aerating—same as Jardier Vases—stimulating plant growth.

S-1419 Style 4 OBLONG RIMMED WHITE. 12 in. long. 4½ in. wide, 4 in. deep, per carton of 30, $5.40; weight 19 lbs.

Bowls for Growing Bulbs



S-1805 No. A. POTTERY BULB AND FLOWER BOWL ASSORTMENT. This assortment consists of the following: 15—6" bowls, 15—7" bowls and 6—8½" bowls. The assortment comes in assorted colors of yellow, old rose, blue, and green. Price per complete assortment $28.75.

S-1805 F. L. STYLE POTTERY BOWLS, IN BLUE, YELLOW, OLD ROSE AND GREEN. 6-in. diam., doz., $7.80; 7-in. diam., doz., $10.20, 8-in. diam, doz., $13.20.

PEARL CHIPS

For growing Bulbs in Bowls and Pots.

S-1804 PEARL CHIPS, WHITE, for growing Bulbs in bowls at $4.25 per 100 lbs.

S-1804 PEARL CHIPS, COLORED, $5.25 per 100 lbs. Write us for prices on larger quantities.

S-1808 PEARL CHIPS IN ATTRACTIVE PACKAGES. White Pearl Chips per carton of 36 pkgs., $3.60.

S-1809 Colored Pearl Chips per carton of 36 pkgs $3.90.

S-1418A VASE TYPE HYACINTH GLASS. Comes in a beautiful shade of forest green only; measures 6½ inches tall. Can be used for flowers, etc. Packed 24 to a carton, price per carton $3.00; 3 carton lots at $2.80 per carton.

S-1418 HYACINTH GLASSES (Vases). In crystal shade only. Per carton of 36 vases, $10.40; 3 carton lots at $9.50 per carton.

Hyacinth Glass

A GOOD VARIETY OF SIZES IN THESE FLOWER VASES

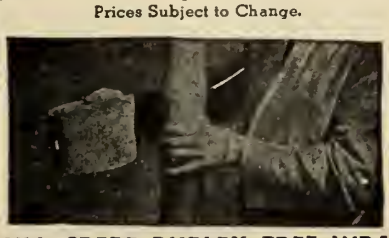
Galv. Vase

S-1416

And they are built right. Galvanized, hand soldered, with wire reinforcement at the top—the sides tapering so that they nest. Attractively striped in red.

Style	Diameter Top	Diameter Bot.	Ht.	Price Per Doz.
253	4¾ in.	3½ in.	10 in.	$13.50
255	6½ in.	5¼ in.	12 in.	15.50
257	6½ in.	5¼ in.	15 in.	21.00
59	6½ in.	5½ in.	7 in.	12.00
65	7½ in.	6½ in.	8 in.	13.80
66	9 in.	7½ in.	10 in.	17.60
68	9 in.	7½ in.	12½ in.	19.60
68B	9 in.	7½ in.	15½ in.	22.80
69	9 in.	7½ in.	18 in.	26.50
70	9 in.	7½ in.	24 in.	38.60

Prices Subject to Change.



MILL CREPE DUPLEX TREE WRAP

S-1543 For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide, about 150 ft. to a roll. Weight about 2 lbs. Retail at $1.00. Each, 70c; 10 rolls for $6.00; 30 to 50 rolls at 55c roll.

S-1434 MOIST-SHUR PLANTRAYS RUBBER SAUCERS. Leaf green color. Made of finest grade unbreakable rubber. They are beautiful and economical. #1, Per doz., $3.10; #2 Per doz., $6.12; #3 Per doz., $12.00; #4, Three for $5.40; #5, 3 for $8.25.

GLOVES

S-1019 GREEN THUMB GLOVES. New Improved. Soft, washable for garden and house use, Women's small, medium and large. Specify size when ordering. Per pair, 98c; per doz., $7.84. **S-1014** Men's size, per pair, 98c, per dozen, $7.84.

S-1042 Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium" and "Large." Price Ladies per pair $1.40; Doz., pair $12.60. Men's per pair, $1.55; Doz., pair $13.20.

SEEDERS

S-1603 VIBRA-SEEDER. A battery operated flower and vegetable seeder for commercial and home gardeners—fits palm of hand—will sow row or flat in fraction of time normally required. Operating cost one flash light battery per season. A real time, labor and seed saver. Price each, without battery retails at $2.85, each $2.25; 6 for $11.60; 12 for $21.00.

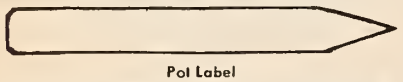
S-1117 All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip during walking. Men's size retail at $2.25; price per pair $1.75; 6 pair for $9.60, postage extra.

S-1117A Ladies size retail at $1.60 price per pair $1.25; 6 pair for $6.60, postage extra.

Plant, Pot and Garden Labels — Pruning Tools

Pkg. of 24 Ask Your Garden Dealer

S-1563 PERMATAG Aluminum Plant Markers. Permatags are a unique and easy to handle marker designed for identification of all types of plants and nursery stock. With Permatags you merely write the name into the metal and it becomes permanent; will never wear off. Permatags are rust and weatherproof, will not darken with age or change color. Permatags are not expensive, very little more than wooden labels. You will find Permatags the most popular plant marker you have ever sold. Counter display box of 36 pkgs. of 24 labels per package, price, $5.40 each. Retails for $9.00. Shipping wt. 3 lbs. Permatags in bulk for florists and nursery use packed 1,000 to a shipping carton, price, $5.50 per 1,000. Shipping wt. 3 lbs. add postage.



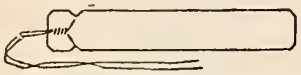
Pot Label

WOOD POT LABELS. We carry the best quality of Wooden Labels made. They are smooth, strong and neat, ⅝ inch wide. When ordering, specify pot labels or graden stakes, painted or plain.

	Packed to Carton	S-1507 Plain Per 1000	S-1508 Painted Per 1000
4-inch x ⅝".....	1000	$3.10	$3.80
5-inch x ⅝".....	1000	3.30	4.10
6-inch x ⅝".....	1000	3.60	4.50
8-inch x ⅝".....	500	5.30	6.60
10-inch x ⅝".....	500	6.30	7.70
12-inch x ⅝".....	500	7.50	9.10

WOOD GARDEN LABELS

	Packed to Carton	S-1509 Plain Per 1000	S-1510 Painted Per 1000
8-inch—⅞" wide..	250	$ 7.70	$ 9.00
10-inch—⅞" wide..	250	8.70	10.10
12-inch—1⅛" wide	100	15.50	18.00



WOOD TREE LABELS COPPERWIRED. 3½ in. by ⅝". Per 1,000, **S-1542** plain, $3.60; 5,000 to 10,000 per 1,000 $3.55; **S-1541** painted, per 1,000, $4.50. 5,000 to 10,000, per 1,000, $4.45.

WEATHER PROOF PENCILS. Black lead. Ideal for marking pot labels, garden stakes or other outdoor work.

Cat. No.	Packed	Wt.	Dealers Cost	Retail
S-1520	12	½ lb.	**$ 1.00**	$0.15
	36	½ lb.	**2.85**	.15
	144	2 lbs.	**10.80**	.15

PRISCILLA ALL PURPOSE MAGNESIUM LAWN AND GARDEN RAKE. The strongest and lightest rake made yet—more raking with less effort. Teeth designed for efficient raking action. Long (6') handle speeds raking. Handle securely braced.

Cat. No.	Size	Packed	Wt.	Each	Dealers Cost for 6	Retail
S1001	24 in.	6	15 lbs.	**$5.25**	**$29.40**	$ 6.98
	36 in.	6	18 lbs.	**7.50**	**42.00**	9.98
	48 in.	6	21 lbs.	**8.85**	**50.00**	11.98

S-1512 EVERLASTING PERMA LABEL. A permanent label; holds lead pencil marks permanently in all weather, one piece, 6 inches over all. Price per 100, $1.00; 500 for $4.50; 1000 for $8.25.

S-1524 VAUGHAN'S TRANSPARENT PERMANENT PLASTIC LABEL. Made of the plastic "styrene," which is as transparent as glass, but unbreakable, and weatherproof, this label is provided with tilted plaque, easily read from above, on which name is written in a scriptor red marking pencil. Large size, overall length 12½ in., plaque 2½x8 in., doz., $2.25; 100, $13.67.

S-1519 Scriptor red pencil, 35c.

Prices subject to change without notice.

S-1548 NEW SEEDMARC GARDEN MARKER. Made of plastic in yellow and white. Five of each color to a package including marking pencil 8¾ inches long. The ideal marker for garden, flower bed, seed box, etc. Retails at 49c per package of 10 labels, display card of 10 packages, $3.00.

FLORISTS' KNIVES

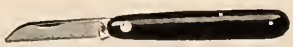
The Budding, Grafting, Pruning and Florists' Knives illustrated below are designed and made to meet the exacting requirements of nurserymen, orchardists, florists and gardeners who are extremely particular in the choice of their cutting equipment.

S-1079 HENCKELS BUDDING. Model 777CB. Black handle heavy German Silver lining....Each, $3.70; 3 for $11.00; 6 for $20.00.

S1084 VAUGHAN'S FLORIST. Model 182, each $2.50; 3 for $7.00; Doz. $21.60.

S-1085 SCHRADES LARGE PRUNING KNIVES. Model 186, 4⅞ inches long. Each, $2.50 6 for $13.50.

S-1052 HENCKELS. Model 727W Imported two blade budding and propagating, Each, $4.50; 6 for $24.00; 12 for $42.00.



S-1054 HENCKELS. Imported black handle, propagating, Model 778CB Each, $3.25; 6 for $18.00. Doz., $34.00.

S-1086 VAUGHAN'S BUDDING AND GRAFTING KNIVE. Model 716, with Brass Caps, Each, $2.75; 6 for $14.40; Doz., $24.60.

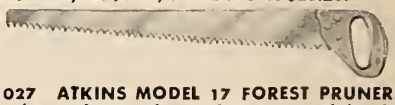
S-1087 WHITE HANDLE, FLORISTS GRAFTING KNIFE. Model 195, silver nickel shackle for chain attach. Each, $2.00; 6 for $11.00; Doz., $19.20.

S-1017 ATKINS MODEL 3, DOUBLE-EDGED PRUNING SAWS. Silver steel construction. 18 in. Retail at $5.85, each, $4.65; carton of 4 for $15.64.

S-1095 ATKINS MODEL 16 POLE TREE PRUNING SAW. Puts branches within reach for safety pruning. Fits standard clothes pole. Silver steel construction. Length 16 in. Retail at $7.25. Each, $5.80; carton of 4 for $19.36.

S-1096 ATKINS MODEL SF3-14 SILVER FLASH PRUNER. The preferred saw by utilities and tree surgeons everywhere has extra large teeth and gullets for speed cutting of large limbs. Silver steel construction. Length 26 inches. Retail at $8.50, each $6.80; three for $18.75; 6 for $33.90.

S-1126 ATKINS MODEL 41 TREE PRUNER SAW. A general purpose skew back saw for fast cutting of heavy limbs, i.e. oaks, elms, maple etc. Silver steel construction. Taper ground. Length 26 inches. Retail at $10.95, ea. $8.75; carton of 4 for $29.20.



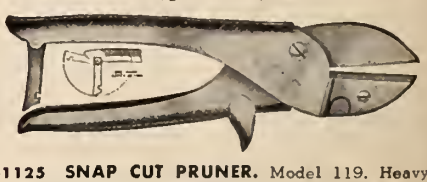
S-1027 ATKINS MODEL 17 FOREST PRUNER. A professional saw with extra large peg teeth for clean, easy cutting. Silver steel construction. Flat ground. Length 26 inches. Retail at $5.15, each $4.10; carton of 4 for $13.72.

SEYMOUR SMITH "TELEPHONE" TREE TRIMMER. Model 11-18. Strong, durable, 18 ft. tree pruning unit. Capacity of 1". Consists of No. 11 Head, No. 102 Head Pole, two No. 103 Extension poles, and operating rope. Selected 1¼" octagon spruce poles have positive locking, seamless aluminum telescoping joints.

Cat. No.	Size	Packed	Wt.	Dealers Cost	Retail
S-1100	18 ft.	1	8 lbs.	**$11.50**	$17.25

PRUNER HEAD ONLY with pulley as pictured above. Model 11. Attach your own pole of required length plus rope and you have a complete pole pruner.

Cat. No.	Packed	Wt.	Dealers Cost	Retail
S-1100A	1	1½ lbs.	**$3.95**	$4.85



S-1125 SNAP CUT PRUNER. Model 119. Heavy duty, full polished, each $2.75; 6 pair for $13.02.

Henckel Imported Pruning Shears Highest Quality

S-10488 MODEL A200—8¼" full polished with replaceable coil spring and blades. Retail at $8.75; Each, $6.75; six for $37.20.

S-1048C MODEL A210—9¼". Each, $7.35; six for $39.00.

SOIL TESTERS

The Sudbury Horticultural Soil Test Kit, $15.95

S-808 The Sudbury Horticultural Soil Test Kit makes instantly available the essential information you require for gardening success. With it you can make quick practical tests which will show the acidity of your soil and any possible deficiency in nitrogen, phosphorus and potash. As a result, you can avoid failure by prompt adjustment of your soil to the requirements of your plants and grasses. Sudbury Soil Test Kits are used by leading amateur and professional growers throughout the country. The Horticultural Kit contains one third as much solution as the professional kit. The Sudbury Horticultural Kit, complete with instructions and table of plant needs, $15.95 via express collect.

S-807 THE SUDBURY DELUXE PROFESSIONAL MODEL SOIL TEST KIT—Contains enough material for 200 to 300 professional tests. Price complete with instruction $29.95 via express collect.

TESTING FLUID FOR REFILL S-787 LIME—For acidity. When ordering, it requires **S-788** for No. 2 and **S-789** for No. 3 to make Nitrogen Tests, **S-790** for No. 4 and **S-791** for No. 5 for Phosphorus Tests and **S-792** for No. 6 and **S-793** for No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz. refill bottle, each, $1.35; postpaid $1.50; 6 oz. refill bottle, each, $2.50; postpaid $2.70.

The Sudbury Home Gardener's Soil Test Kit, $3.98

S-809 This simple, practical easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greens-keepers throughout the country. The Home Gardener's Kit tests for nitrogen, phosphorus, potash and acidity, giving complete information for the intelligent adjustment of your soil to the requirements of your plants and grasses. No technical skill required. Results of tests are apparent immediately. Complete with instructions and table of plant needs, each $3.98; six for $17.52.

S-810 NEW CLUB MODEL KIT. An inexpensive kit. Makes 50 individual tests. Each, $6.98; 3 for $15.36; plus postage.

RUBBER APRONS

S-1116 BLACK LIGHTWEIGHT. Each, $4.00; postpaid $4.30.

S-1113 VINYLITE PLASTIC APRON Strong and durable. Made of 20 gauge material Same size as illustrated rubber apron. Each $2.50; postpaid $2.75· 3 for $6.75, postpaid $7.00.

ROOTONE

PATENTS PENDING

S-287 ROOTONE with Fungicide stimulates the natural tendency for roots to form on slips or cuttings. Rooting takes place in a much shorter time, heavier root systems are formed and fewer cuttings die from disease. Newly added fungicide controls damping-off and other soil-borne diseases. Price, ¼-oz. pkt., 35c; display carton of 24, $5.04, 2-oz. jar, enough to treat 3,000 cuttings, $1.25; doz., $9.00; 1-lb. jar will treat up to 30,000 cuttings, $5.00. Three for $12.75, plus postage.

S-289 ROOTONE No. 10. For slow to root evergreen cuttings. 2 oz., each, $2.25; 1 lb., each, $10.00.

S-327 TRANSPLANTONE. For treatment of transplants of all kinds. It contains the root forming hormones, vitamin B-1 and other members of the vitamin B complex, which are important in plant growth. ½-oz. pkt., each, 35c; display carton of 24, $5.04; 3 oz., $1.25; doz., $9.00; 1 lb., $4.00. Three for $10.50, plus postage.

S-197 FRUITONE. The hormone spray for stopping pre-harvest drop of apples and other fruits. Also reduces drop of flowers and leaves. 2/5 oz. pkt. each 35c per pkt.; display carton of 24, $5.04; 2 oz. (makes 25 gal. spray); $1.25; doz., $9.00; ½ lb., $2.00, plus postage.

S-218 HORMODIN POWDER. Combination package. No. 1, 2, 3, in one package for 75c; doz. packages, $6.00, plus postage.

S-215 No. 1 Powder, 1¾-oz. tin, each, 50c; lb., $3.00, plus postage.

S-216 No. 2 Powder, 1¾-oz. tin, each, 75c; 1 lb., $4.50, plus postage.

S-217 No. 3 Powder, 1-oz. tin, each, $1.00; ½ lb., $4.50, plus postage.

S-291 ROSETONE. A proven combination of Hormones and Vitamins. Insures the success of your roses. Soak roots of bushes in Rosetone before planting. Water your established rose bushes for better growth. ½ oz. package each 25c, per Display Carton of 24 packages, $4.00; 3 oz. each $1.00, per Display Carton of 12, $8.00.

ATTRACTIVE RESALE PACKAGES

S-227 New KAPSULATE. A combination of sodium selenate plus fertilizer in capsules.

25c SIZE

5 Kapsulates per packet. Case of 24 pkts, $3.60.

50c SIZE

12 Kapsulates per packet. Case of 12 pkts, $3.60.

$1.00 COMBINATION

24 Kapsulates per box and 2½ oz. of PLANT-L-IZER*. *PLANT-L-IZER is a soluble. 15-30-15 fertilizer for liquid feeding. Case of 12 Combinations, $7.80.

SPECIAL DISPLAY EASEL

Consists of 36 only 25c pkgs. Retails for $9.00, Your cost, $5.95.

GROWER'S SIZES

100 Kapsulates	$ 2.35
500 Kapsulates	11.25
1000 Kapsulates	21.50

S-425 NEW IMPROVED FLORALIFE—Always the best, now better than ever. Floralife is now so formulated that it achieves TWO-WAY superiority: 1. Works in both "hard" and "soft" waters . . . no need for acids or other additions. 2. Concentrated! Only ½ former quantity by weight and volume needed for treating the same amount of water. Stems never turn black! Water never discolors! Saves half on storage, transportation costs.

Every good florist should use Floralife. Longer-lasting Floralife fed flowers mean more and better business for all of us. Floralife costs only pennies . . . order YOURS today! FLORALIFE sells on sight at 10c to all flower lovers. A fine profit for you. Packet prices in cartons; 25 2-qt. size, $1.25; 100 2-qt. size, $5.00.

FLORALIFE IN BULK

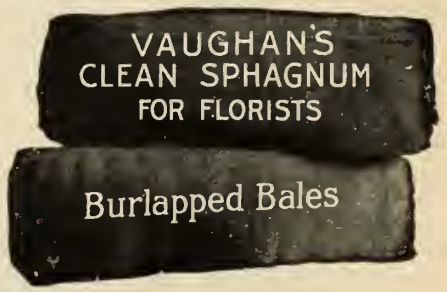
30-qt. size ($1 retail)	each $ 0.60
100-qt. size ($3 retail)	1.75
250-qt. drum (5 lbs.)	4.00
500-qt. drum (12 lbs.)	7.50
1000-qt. drum (23 lbs.)	13.50
2000-qt. drum (46 lbs.)	25.00

S-1923 NODAMPOFF SPHAGNUM MOSS. Sphagnum moss is a sterile material containing antibiotic qualities. Fungi and bacteria cannot live in it. By sowing seed in a thin layer of this moss spread over the soil in the pot or flat, damping off is prevented. Cuttings rooted in sphagnum are easily transported and transplanted without disturbing their roots. This moss is horticultural grade, milled ready for use. 10 oz. package, 89c; per carton of 12, $7.12. 2 bushel bags each, $2.85; 3 for $8.25.

GRAFTING WAX

S-212 Per ¼-lb. bar, 50c; postpaid 55c. ½-lb. bar, 65c; postpaid 75c. 1 lb., 95c; postpaid $1.15.

S-1911 SIEVES. For sifting soil 18 inches in diameter, sizes mesh ⅛", ¼", ⅜", ½". Specify size when ordering. Each, $3.50; postpaid $3.85.



SPHAGNUM AND SHEET MOSS

S-1807 SPHAGNUM MOSS. Bright, clean, new growth, free from brush or grass, is being worked out in Wisconsin district. We quote L. C. L. lots as follows:

BALES. (45 x 14 x 16 inches). F.O.B. Wisconsin Points. For carloads write us.

	F.O.B. Chicago	F.O.B. Woods
1 to 5 bales	Each, $2.50	
6 to 10 bales	Each, 2.40	10 Bale lots, $2.00
11 to 24 bales	Each, 2.25	25 Bale lots, 1.80

New York Prices 60c per bale higher.

S-1806 SHEET MOSS GREEN, Extra fancy large sacks for Windows, Baskets, etc. Per sack. $3.25; 3 sacks, $9.00.

Prices Subject to Change

Greenhouse Irrigators and Hose

NO. 400 WATER BREAKER

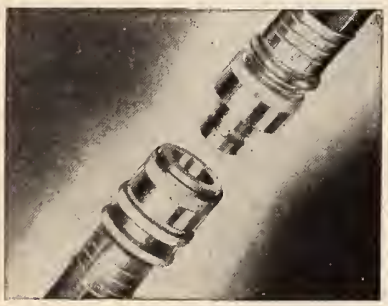
S-974 This breaker is the answer to the florist's problem for an all purpose watering gadget. It will do most any watering job. This breaker has 400 1/16 inch holes in it. The four hundred tiny streams of water are concentrated in a small area, consequently speeding your watering job. ¾inch connection. Price each, $1.45, postpaid, $1.55; threefor $4.20, postpaid $4.40.

The "400" Water Breaker

S-965 FOGG-IT NOZZLE. Garden fog-nozzle breaks water into a fine mist of a fog-like spray for watering seed beds, new plantings, newly-seeded lawns, young plants, and all tender plants. Works efficiently with high or low water pressures on any standard garden hose. Will not wash away seeds, soil, or fertilizer. Has ¾" connection. Each $1.95; postpaid $2.05; 3 for $5.50, postpaid $5.75.

ROSS No. 10 SPRINKLER

S-953 Is preferred by growers and home owners; capacity seven gals. per minute. Each, $1.50, postpaid $1.65; 3 for $3.75; postpaid $4.00.

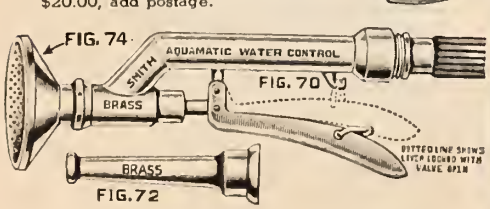


S-967 THE NEW CRESCENT HOSNAP COUPLING. Screwing of couplings and twisting of hose eliminated. This coupling operates by merely pushing in. It locks quickly. Can be removed simply by pushing down collar. Made of brass. Retail each at $1.50; doz., $12.00. Extra Hosnap male end, each 50c; dozen $4.00. Extra female ends ea. $1.10; dozen $8.80, add postage.

SCOLLAY'S FAMOUS FLORISTS' SPRINKLER

WE ARE GENERAL WESTERN AGENTS

S-964 None better for floral work. Beware of cheap imitations. Made of best quality of rubber and will outwear any other sprinkler on the market. Large size, plain top, No. 1, 6 in. high, each $1.80; 3 for $5.25; doz. $20.00, add postage.



AQUAMATIC SHUT-OFF

S-966 ¾ in. hose connection. Complete as shown above. Price, each, $5.25, postpaid $5.75. Less fig. 72 each $4.95.; postpaid $5.25.

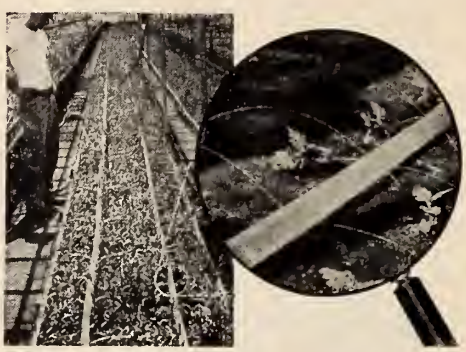
S-902 SHERMAN LONG GRIP COUPLINGS. Model 85CL. Patented staggered fingers, extra long tail pieces. For plastic or rubber hose. Sizes ½", ⅝" or ¾". Specify size when ordering; each 50c, dozen $3.80.

S-903 SHERMAN LONG GRIP MENDERS. Model 12CL. For plastic or rubber hose. Sizes ½", ⅝" or ¾". Specify size when ordering. 24 for $3.50.

HOTHOUSE SPRINKLER

S-934 All brass, distributes water evenly; ¾ inch connection; 3 inch face, each, 90c; doz., $8.80; 4 inch face, each, $1.15; doz., $11.60.

S-928 SWAN MODEL 60 GREEN PLASTIC GREENHOUSE HOSE. This full ¾-inch inside diameter opaque plastic hose. Its extra large inside diameter makes it ideal for large estates, green houses, or wherever large water flow is desired. THIS HOSE WILL DELIVER 31 GALLONS PER MINUTE, AND WILL WATER AVERAGE SIZE LAWN IN 2 HOURS AT NORMAL WATER PRESSURE! 50 ft. lgth., Retails at $9.50; each $6.98, in std. pkgs. of 5 lgths., each $6.35; 75 ft. lgth. Retails at $13.65, each $10.00, in std. pkgs. of 3 lgths., each $9.10.



GRO-HOSE AUTOMATIC BENCH WATERER

Guaranteed against any defects of manufacture. It will last for years under normal usage. Saves untold man hours of labor. Operates on less than 1 lb. water pressure. Takes minutes to install. Gro-Hose Polython tubing is supplied in custom lengths to fit your benches. When ordering specify length desired. Each length supplied with set of safety end clips and standard all brass hose coupling.

S937 GRO-HOSE TUBING

0 to 1000 ft.	at 9½c per ft.
1001 ft. to 5000 ft.	at 8½c per ft.
over 5000 ft.	at 7½c per ft.

GRO-HOSE HEADERS

S937A Two-Way.....$3.00 ea.
S937B Four-Way.....$3.75 ea.

SNAROL. Two types, **S-308** MEAL or **S-266** PELLET form. For snails and slugs. Contains Metaldehyde. 1 lb. 50c, dozen $3.80, 2½ lb. $1.00, dozen $7.60, 6 lbs. $2.00, carton of 6 for $7.60; 50 lbs. $9.50. When ordering specify whether meal or pellet form is desired.

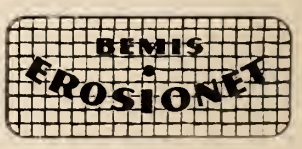
ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

S-930 Swan NYL-CORD GARDEN HOSE. MODEL, 8600. Full ¾ inch inside diameter. Swan's latest hose development! Inner tube and outer opaque cover made of Swan LOW-TEMPERATURE MATERIALS, reinforced with genuine Nylon truck tire cords! Nyl-Cord remains soft, flexible, easy to handle when temperature drops to 50 degrees! Can be left in hot sun under full water pressure for days without bursting! Fact tag tied to each coil gives complete product information.
25 ft. length retails at $7.25; each $5.33; ctn. of 5 coils for $24.25; 50 ft. length retails at $11.95; ea. $8.80; ctn. of 5 coils for $40.00. 75 ft. length retails at $16.95; ea. $12.43; ctn. of 3 coils for $33.90.

S-920 VAUGHAN'S ALL NEW LIGHTWEIGHT RUBBER GREENHOUSE HOSE—¾" inside diameter with 2 braids of tough rayon reinforcement—An ideal flexible hose that coils and drags easily—Has a tough abrasion resistant red smooth cover, and will withstand pressures up to 150 P.S.I.—Can be furnished in any length with heavy cast brass couplings attached. Per foot 32c, couplings per pair 75c.

HOSE COUPLING

S-911 IMPROVED EVER-TIGHT. No more waste of time, just press the lever, instant tight connection. A great time saver, a coupling that every greenhouse should be equipped with. Price, complete, 75c; doz., $8.00. Faucet ends per doz. $3.80; hose ends per dozen, $4.20.



EROSIONET. Made of strong, open mesh fabric. Will hold your seed and sod firmly in place. Prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2½ inches high. Width, 45 inches. 250 yds. to roll.

Cat. No.	Yds.	Wt.	Dealers Cost	Retail
S1605	25	10 lbs.	$ 5.25	$0.30
	100	40 lbs.	19.50	
	250	102 lbs.	39.50	

In lots of 3 rolls or more, each, **$37.50.**

VAUGHANS TREE WOUND DRESSING

S-214 VAUGHAN'S TREE PROTECTOR, PRUNING PAINT AND TREE WOUND DRESSING. Acts as a balm and repellent against insects. Protects against decay and fungus. Pints, retail $1.25 each, per ctn. of 24, $18.00; quarts retail $1.80 each, dozen $12.96; gallons, retail $4.25 each, carton of four $10.20.

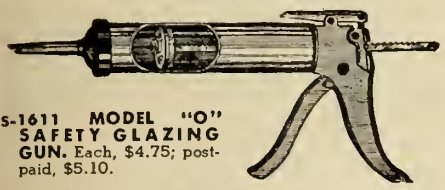
Greenhouse, Glazing Tools—Shade Cloth

S-1610 GARLANITE. The original white glazing compound, remains soft and flexible, easy to apply and to remove. 5-gal. kegs, $20.25; gal. cans, $4.20. Not mailable.

S-1609 GARLAND WHITE SHADING COMPOUND. 25 lbs. is equivalent to 2 gals. 25 lbs., $4.65; 50 lbs., $8.75; 100 lbs., $16.50; 350 lbs., $50.75. **S-1608** green 3c per lb. higher.

S-1633 TAMM'S SHADING COMPOUND. Save on shading painting. Stays on in rainy weather and is easily removed when no longer needed; none better made. White, 25 lbs. $3.75; 50 lbs. $6.50. **S-1632** Green, 4c per lb. higher.

S-1601 GARLAND'S BLACK BULBING CEMENT. A pure asphalt glazing compound for greenhouse use. Will not crack or run and adheres to all glass and framework or sash. One gallon to 300 lineal feet. 1 gallon can for $2.50; 5 gallon drum for $11.75; f.o.b. our warehouse.



S-1611 MODEL "O" SAFETY GLAZING GUN. Each, $4.75; postpaid, $5.10.

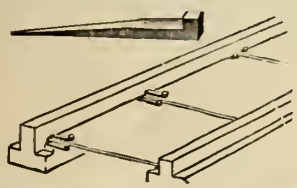
S-1917A NU-PUTTIE KNIFE GRADE. 25 lb., drum for $4.50, 50 lb. drum for $8.25; 100 lb. drum for $14.50.

S-1917 AWL SEAL CAULKING COMPOUND. This superior putty will not dry out or crumble. Seals tight, remains pliable. Can be used for glazing, sealing and caulking. Natural color, light grey. **Gun grade** per gallon $4.25; 5 gals. for $14.50.

S-1613 GLAZING POINTS VAUGHAN'S PERFECTION—NO RIGHTS OR LEFTS

No. 2 For large single thick glass or Double thick, for greenhouses and skylights.
Per lb. (about 800), 95c; 5 lbs. at 90c per lb.

VAUGHAN'S PERFECTION POINT



S-1612 SIEBERT'S IMPROVED.—PURE ZINC. Easy to drive and made so they will not wedge or crack glass in driving. The head gives a good surface and makes it very easy to drive with a chisel, and the point is very easily pulled out in repairing greenhouse roof. Two sizes, 5/8 and 7/8 in. long, put up in 1-pound packages. Over 1,500 points in 1-lb. pkg. of 5/8 in.; over 1,000 points in 1-lb. pkg. of 7/8 in. Price, per lb., 95c; 5 lbs., $4.50; 20 lbs., $17.00.

S-1623 PUTTY BULB, SCOLLAY'S. A useful tool similar to the well-known Scollay Sprinkler, with a tube instead of spray for applying liquid putty in glazing greenhouses. Each, $1.85, 3 for $5.40; doz., $20.40.

S-1928 GLASS CLEANER, LITE-NING CRYSTALS. Instantly dissolves hardest crust of dirt, grease, soot, scum, or shading. Under ordinary conditions dissolve 1/2 pound of Lite-ning crystals in one gallon of water. For exceptionally dirty glass use one pound. Brush on glass, then rinse off with water. Will not injure plants or putty. 5 lbs. for $7.50; 10 lbs. for $13.50; 25 lbs. for $31.25; 100 lbs. for $95.00.

VISQUEEN FUMICOVERS

S-172F Made of Virgin Polyethylene. A light-weight plastic film of .004 gauge. Used as a gas-tight cover with chemical soil fumigants or steam. Black (sun-resistant shade cloths) can be had in 10½ and 16½ x 100-ft. lengths only.

6 ft. x 100 ft., clear only	$ 8.56
10½ ft. x 100 ft., clear only	14.97
13½ ft. x 100 ft., clear only	19.25
16½ ft. x 100 ft., clear only	23.53

ESKAY-LITE

8 Mil and 12 Mil Clear. The Longer Lasting Glass Replacement Plastic Cover.

Suitable for temporary greenhouse, cold frames, etc. Specially compounded weatherable vinal plastic. Total visible light 90%. Water clear. Highlight transmission and has good high and low temperature performance characteristics. These are the most efficient and economical thicknesses 8 mil and 12 mil.

8 mil made in 3 widths
42 in. wide, 100 lt. long (350 sq. ft.)
50 in. wide, 100 lt. long (417 sq. ft.)
63 in. wide, 100 lt. long (525 sq. ft.)

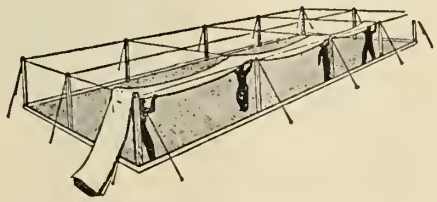
PRICES PER SQUARE FOOT—8 MIL

Up to 1000 sq. ft.	.07
1100 to 6500 sq. ft.	.06½
6501 sq. ft. & over	.06

12 mil made in 2 widths
42 in. wide, 100 lt. long (350 sq. ft.)
63 in. wide, 100 lt. long (525 sq. ft.)

PRICES PER SQ. FT.—12 MIL

Up to 1000 sq. ft.	.10½
1100 to 6500 sq. ft.	.09¾
6501 sq. ft. and over	.09



S-1931 AMERICAN BLACK SHEEN SHADING CLOTH. For shading early chrysanthemums during the normal summer growing season in greenhouses, cloth houses, or outside, as it will bring your blooms in on schedule. Ideal for outdoor shading as it will allow the rain to penetrate and not lie in pools on top. Guaranteed fast black, closely woven, treated and pre-shrunk to produce 99% darkness. Comes in 36 inch widths. Can be sewed to any width in multiples of 36 inch widths.

Prices per sq. yd.	Unsewed	Sewed
100 sq. yds. or more	$0.59	$0.65
50-99 sq. yds.	.64	.70
20-49 sq. yds.	.69	.75
Less than 20 sq. yds., Minimum charge	15.00	15.00

$2.00 upcharge on sewn or unsewed orders for less than 300 sq. yds.

S-1932 KNIGHT BLACK SHEEN SHADING CLOTH. A heavier cloth designed for indoor shading on a year-round program as it cuts out 100% of all light. Recommended especially by universities and experimental stations for off-season growing where total exclusion of light is essential. Otherwise same as American Black Sheen.

Prices per sq. yd.	Unsewed	Sewed
100 sq. yds. or more	$0.65½	$0.71½
50-99 sq. yds.	.70½	.76½
20-49 sq. yds.	.75½	.81½
Less than 20 sq. yds., Minimum Charge	16.50	16.50

$2.00 upcharge on sewn or unsewed orders for less than 300 sq. yds. Prices on cloth subject to change.

CUPRINOL WOOD PRESERVATIVE

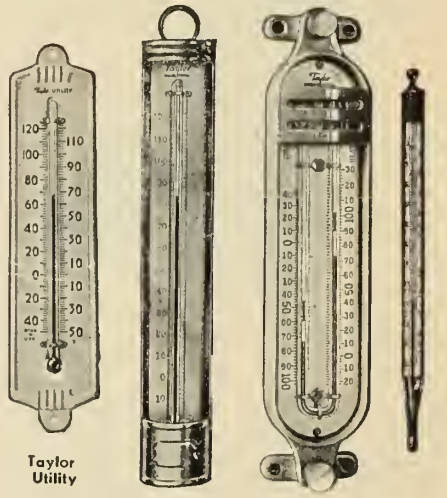
S-413 CUPRINOL FOR FLORISTS No. 14. For use around the greenhouse. It is recommended for dip or cold soak treatments. Also for sterilizing flats or the wood in benches where the posts or sides do not allow proper sterilization of the wood, and to kill the fungi or nematodes from the previous crop. 5 gallon drum for $11.20; 50 gallon drum for $88.50.

S-412 CUPRINOL GREEN FOR WOOD No. 10. Recommended for general use where the green color is not objectionable. It should be used on wood that will be in contact with water, soil, or masonry. Prevents algae in clay pots. 1 gallon $4.00; 5 gallon drum for $17.50; 50 gallon drum $140.00.

S-414 CUPRINOL CLEAR No. 20. Use this where the natural wood finish is desired, or as a preservative under stain or varnish and light colored paints. CUPRINOL subdues over-prominent grain patterns, brings out the natural beauty of the wood. 1 gallon $4.00; 5 gal. drum for $17.50; 50 gal. drum $140.00.

THERMOMETERS

TAYLOR-TYCOS



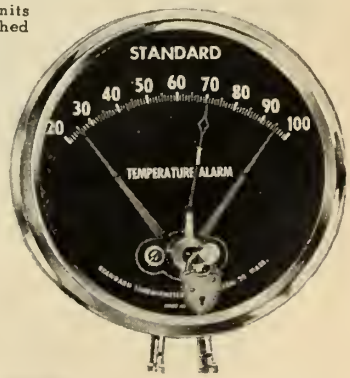
S-1645 THERMOMETERS. TIN CASE. Model S5400 Standard grade (tested). 12 inches. Guaranteed accurate tin case thermometers, black oxidized metal scale, heavy magnified easy reading tube, each, $4.50; 3 for $12.75; doz., $39.00.

S-1640 TAYLOR MAXIMUM. Minimum registering thermometer minus 40° to plus 130°F. Mercury filled. Shipped via express only. No. 5458 with magnet. 10 in. Each $11.95; 3 for $27.75 via express collect.

S-1644 SOIL THERMOMETER TEL-TRU No. FC 220. New type dial stem, highly recommended for measuring soil temperatures. Very accurate. Dial diameter 2⅛ in., stem length 6 in. Registers from 0 to 220°. Price each, $3.25; 3 for $9.00.

S-1634 TAYLOR UTILITY THERMOMETER. Mode 5127. Easy reading 8½" x 2" white enameled scale with baked in numerals and graduation. Red liquid filled tube, magnifying lens. Each, $2.00; doz., $19.20

S-16488 STANDARD TEMPERATURE ALARM. The six-inch, easy-to-read dial is finished with bright green numbers against a black background. Scale 20°—100° F. The temperature-indicating hand and the control hands, showing the maximum and minimum limits are finished in a bright orange. These control hands are easily adjusted by the setting knob, and this knob may then be locked, preventing tampering or changing warning limits. Each, $22.50.



S-1639 TAYLOR NEW MAXIMUM AND MINIMUM THERMOMETER.

Model No. 5321. Set in water-proof plastic case 4¾ in. x 1 in. Will register lowest, highest, and present temperatures. Can easily be reset. Price each, $7.95; 3 for $18.60.

Cables and Hot Bed Supplies

GENERAL ELECTRIC SOIL HEATING SETS, CABLES AND CONTROLS

Sturdy, lead sheathed cables, and heavy duty thermostats; the very best. For hotbeds, cold frames, or greenhouse benches. Soil can be maintained at 15°-20° F. above general house temperature.

S-1615 LEAD SHEATHED CABLES.

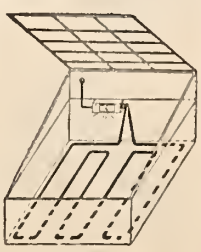
One 30 ft. lead cable (110 volt, 180 watt) heats 18 sq. ft. of bench area.
One 60 ft. lead cable (110 volt, 400 watt) heats 36 sq. ft. of bench area.
One 120 ft. lead cable (220 volt, 800 watt) heats 72 sq. ft. of bench area.
Set. No. 1 with HSC-4 thermostat and 30 ft. cable. Thermostat is rated 10 amp. for 110 volt AC only. Price each $14.50.
Set No. 2 with HSC-4 thermostat and 60 ft. cable. Price each $19.30.
Set No. 3 with HSC-5 thermostat and 60 ft. lead cable. Thermostat is rated 20 amp. up to 230 volt AC only. Price each $27.20.
Set No. 4 with HSC-5 thermostat and 120 ft. lead cable. Price each $36.00.
Sets No. 1 and 2 will control one or two 60 ft. cables or up to six 30 ft. cables. Sets No. 3 and 4 will control up to four 60 ft. or 120 ft. cables. Thermostats are equipped with 3 ft. rubber cord, duplex outlet and male plug.
Extra 30 ft. lead cable, each $6.50.
Extra 60 ft. lead cable, each $11.20.
Extra 120 ft. lead cable, each $24.00.

GLASS SUBSTITUTE

S-1624 MODEL 100-C. Cotton reinforced crystal-clear transparent, durable, glossy material. Admits over 60% ultra violet rays for greenhouses, hot and cold bed frames, hot houses, as plant protectors and everywhere glass is generally in use. Put up in rolls, 36 inches wide. Price per 50 ft. roll, $8.00; 150 ft. Roll, $24.00.

GRO-QUICK Electric Seed Bed Heater

S-1626 Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 25 square ft. of cold frame. Retail at $6.75, each $5.95; 3 for $16.50. Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 50 square ft. of cold frame. Retail at $9.00, each $6.95; 3 for $19.30. Jr. cable only price $1.95; Sr. cable only price $3.65.



ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

BULB AND PLANT SETTER. The "Hole in one" tool. Very efficient for planting all kinds of small plants and bulbs.

Cat. No.	Packed	Wt.
S-1068	12	10 lbs.

Dealers Cost	Retail
$8.00	$1.00

THE JIFFY PLANTER, which one can use in a standing position, is a sturdy practical garden tool. It is made of strong durable steel with a tubular steel "T" handle. It easily cuts a cylindrical hole up to ten in. deep depending on the pressure put on the angle foot bar. A slight twist and the tool draws out the soil leaving an ideal hole for setting of bulbs and plants, and automatically pushes the soil from the cylinder with each succeeding insertion. Bulbs and plants can be planted to correct and uniform depth without leaving air spaces as so often happens when a trowel is used. Attractive baked-on green finish.

Cat. No.	Packed	Wt.	Dealers Cost	Retail
S-1049	6	15 lbs.	$13.00	$3.25

S-1069 VAUGHAN'S LAWNOVATER. A lawn cultivator is needed for many jobs, foremost of which is reseeding of bare spots. The spiked disks open holes in the soil crust, without tearing the turf. It is a sturdy tool, with a heavily reinforced cast frame, and cadmium plated hard steel disks and shaft.

It is also an efficient cultivator for soil beneath shrubs and perennials where it breaks the soil crust without injuring the roots that grow near the surface.

Cat. No.	Packed	Wt.	Dealers Cost	Retail
S-1069	1	5 lbs.	$3.10	$4.95
	4	17 lbs.	11.88	4.95

S-422 WILT-PRUF. The amazing new liquid plastic spray for retarding water loss and wilting in plants. For complete protection of your evergreens, fruit trees and flowering shrubs all year 'round. Prevents injuries caused by windburn, sunburn, sun-scorch and salt spray. 6 oz. size only in ready to use plastic bottle. 6 oz. bottle for $1.00; 1 qt. can for $3.50; 1 gallon for $8.50, add postage.

VAUGHAN'S NEW IMPROVED LAWN SPREADERS

Scientifically and accurately spreads all fertilizers and lawn seeds. 18 inch and 24 inch available in two-tone colors. Pink, Lavender and yellow with Grey trim.

S-523 16 inch. Positive shutter opening and closing by means of grip-squeeze lever. Heavy gauge steel handle and welded hopper. Color Lavender only. Capacity 25 lbs. Retails at $7.95; each $5.95; in lots of 3, each $5.30.

S-524 18 inch. Modern precision application rate control, so you can cover up to 700 square feet of area with 1 lb. of merion blue. Shutter instantly locked, open or closed, by twist of grips. Far superior to all other spreaders. Plated agitator to resist acid corrosion and rust. Easily assembled. Sturdily built. Heavy rubber tires. Max. capacity, 50 lbs. Retails at $15.95; each $11.95.; in lots of 3, each $10.63.

S-525 24 inch. Professional Model. Max. capacity 70 lbs. Same construction as 18 inch. Retails at $20.95; each $15.70; in lots of 3, each $13.97.

Pots, Bands and Baskets

WILSON PLASTIC PLANT POTS

Attractive Mottled Colors in Utility Grade. Sold in original cartons only.

S-1451 ROUND POTS

2"	2½"	3"	4"
$8.50 M	$11.50 M	$17.00 M	$32.00 M
1M/CTN	1M/CTN	1M/CTN	500/CTN

S-1452 SQUARE POTS

2¼"	3"	4"
$10.00 M	$17.00 M	$32.00 M
1M/CTN	1M/CTN	500 CTN

Also available in four non-varying, solid Pastel colors. Add 20% to above prices, for these colors. (Porcelain White) (Jonquil Yellow) (Brick Red) (Fern Green).

WOOD VENEER PLANT BANDS

S-1504 Used by the largest growers for vegetable plants, perennial plants, carnations, snaps and stocks. For transplanting in greenhouse or outdoors.

Packed 1000 to ctn.	Weight per 1000 Bands without bottoms	Price per 1000 F.O.B Chicago	Price per 1000 F.O.B. Dongola	With bottoms F.O.B. Chicago	With bottoms F.O.B. Dongola
1¾x1¾x2½	32 lbs.	$6.35	$5.40	$ 9.30	$ 8.30
2 x2 x2½	35 lbs.	6.50	5.50	9.95	8.40
2½x2½x2½	37 lbs.	6.90	5.80	10.35	8.70
2 x2 x3	40 lbs.	7.10	5.80	10.55	8.70
2½x2½x3	43 lbs.	7.60	6.20	11.55	9.20
3 x3 x3	62 lbs.	8.25	6.60	11.95	9.50
3 x3 x4	65 lbs.	9.20	6.80	12.50	9.90
4 x4 x4	70 lbs.	9.80	7.80	14.25	11.10

S-1500 PANSY BASKETS

	F.O.B. DONGOLA			F.O.B. CHICAGO		
	Per 100	Per 500	Per 1000	Per 100	Per 500	Per 1000
1 qt.	$3.25	$16.00	$30.00	$4.00	$18.50	$35.00
2 qt.	3.70	18.00	34.00	4.50	22.50	41.00
3 qt.	4.00	19.00	36.00	5.00	23.50	45.00

VAL-PEAT® POTS—BETTER—STURDIER

NOW—A 2¼-inch SQUARE. Another addition to the SQUARE VAL-PEAT POT line, created by grower demand. This popular size will contain as much soil as a 2½-inch round, but occupies less space on your bench.

Mums—Perennials—Nursery Stock—Carnations—Hydrangeas—Foliage Plants—Poinsettias

WE PREPAY DELIVERY ON VAL-PEAT POTS

Orders Must Be 150 Lbs. or Over from Chicago, Ill., Ovid, Mich., Lebanon, Ind., and New York

PEAT POTS—ROUND SIZES

Inside top Dimension of pot	Number of pots	Number pots per Carton	Approx. Wt. of Carton	Price per 1000
S-1428A 2¼-in. Diameter	2,000 to 18,000	2000	32 lbs.	$7.25
Diameter	20,000 to 74,000			6.75
Round	76,000 and over			6.25
S-1428B 3-in. Diameter	1,000 to 9,000	1000	28 lbs.	13.25
Diameter	10,000 to 49,000			12.25
Round	50,000 and over			11.00
S-1428C 4-in. Diameter	500 to 2,000	500	30 lbs.	29.25
Diameter	2,500 to 10,000			26.75
Round	11,000 and over			25.25
S-1428E 4-in. Round	500 to 2,000	500	28 lbs.	28.75
Round	2,500 to 9,500			26.25
Azalea	10,000 and over			24.75

VAL-PEAT POTS—SQUARE SIZES

Inside top Dimension of pot	Number of pots	Number pots per Carton	Approx. Wt. of Carton	Price per 1000
S-1428 1¾-in. Diameter	2,500 to 17,500	2500	30 lbs.	$7.00
Diameter	20,000 to 70,000			6.50
Square	72,500 and over			6.00
S-1428F 2¼-in. Diameter	2,000 to 18,000	2000	32 lbs.	11.00
Diameter	20,000 to 74,000			10.25
Square	76,000 and over			9.50
S-1428D 3-in. Diameter	1,000 to 9,000	1000	30 lbs.	18.25
Diameter	10,000 to 49,000			17.00
Square	50,000 and over			15.25

VAL-PEAT POT ORDERS 150 LBS. AND OVER PREPAID IN U.S.A.

S-1439 BIRD PERENNIAL POTS. Now you can pot your plants for display and sale for five months instead of three. This pot will stand up under any handling hazard. They are constructed of an extremely durable material plus a solid stapled bottom for guaranteed safety in handling. They are much lighter than other pots of this type, but are strong and durable. 5"x8" is a mum pan. **Sold in original cartons only.** Total of 600 Pots or more take 1000 rate.

Height	Top dia.	Bottom dia.	Weight per 1000	Per case of 200	Per 1000
5 -in.	8-in.	7 -in.	325 lbs.	$14.00	$65.00
5½-in.	5-in.	4 -in.	165 lbs.	10.50	47.50
6½-in.	6-in.	4½-in.	220 lbs.	13.00	58.50
9½-in.	7-in.	5½-in.	355 lbs.	14.80	69.00

NEW CLOVERSET POTS. 1/3 lighter in weight, 20% stronger than the old standard pot. Total of 400 or more pots takes 1000 rate. We Do Not Break Cartons.

S-1407 CLOVERSET POTS. F.O.B. Chicago

Std. Pots	Top Dia.	Height	Quantity Per Carton	Wt. Per 1000	Per Carton	Per 1000
No. 0	5"	5½"	200	210 lbs.	$10.50	$47.00
No. 1	6"	6½"	100	331 lbs.	6.50	56.00
No. 2	7"	9½"	100	520 lbs.	7.25	65.00
No. 3	8"	9"	100	550 lbs.	8.10	70.00
No. 4	12"	13"	Per 100	130 lbs.	Carton	of 25

$8.50; 100 for $29.25; 1,000 for $275.00.

S-1427 BIRD NEPONSET RED PAPER POTS

For shipping only.

size, inch	Per 100	Per 1000, F.O.B. New York	Per 1000, F.O.B. Chicago	Original crates hold	Gross wt. of 1000 pots about
2	$1.10	$ 9.00	$ 9.00	1,000	10 lbs.
2¼	1.15	9.00	9.00	1,000	12 lbs.
2½	1.25	9.10	9.10	1,000	16 lbs.
3	1.50	9.60	9.60	1,000	22 lbs.
3½	1.65	12.80	12.80	1,000	31 lbs.
4	1.80	15.50	15.50	500	42 lbs.
5	2.50	19.00	19.00	500	66 lbs.
6	3.00	23.40	23.40	500	94 lbs.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

BIRD GROWTH-STIMULATING PLANT BANDS

Bird Vita-Bands contain root growth to transplant stage. Transplant stock is completely eliminated, resulting in 7 to 10 days earlier crop maturity.

Bird Vita-Bands are saturated with nitrogen to feed plant during initial stages of growth. There's no nitrogen depletion of soil. Three types of Vita-Band fill all your needs:

VITA-BAND D and No. 10 are packed 2,000 to the case—except sizes 3x3-in., 4x3-in. and 4x4-in., which are packed 1,000 to the case. Priced per 1,000—sizes in inches. Vito-bond H packed 1,000 per ctn.

We Do Not Break Original Cases

QUANTITY DISCOUNT. On 50,000 Bonds or over, 5%; 200,000 or over, 10%. F.O.B. Chicago or East Walpole, Mass.

S-1552 BIRD VITA-BAND D. Contains growth until you let roots through band. At time of transplanting simply crack band to allow root penetration. Band then quickly disintegrates.

	Per 1000		Per 1000
1½x1½x2½	$4.85	2½x2½x3	$6.30
1¾x1¾x2½	5.15	3 x3 x3	7.05
2 x2 x2½	5.35	4 x4 x3	9.25
2 x2 x3	6.05	4 x4 x4	11.60

S-1553 BIRD VITA-BAND 10. Contains roots from 8 to 10 weeks on annuals, perennials and vegetable plants. Easily removed at transplant time.

	Per 1000		Per 1000
1½x1½x2½	$4.70	2½x2½x3	$6.25
1¾x1¾x2½	5.00	3 x3 x3	6.90
2 x2 x2½	5.25	4 x4 x3	9.00
2 x2 x3	5.75	4 x4 x4	11.25

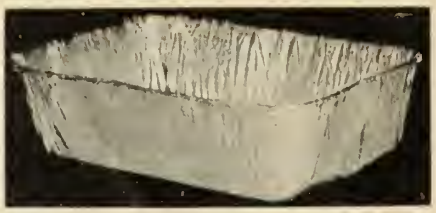
S-1565 BIRD VITA-BAND H. Heavier band designed for longer growing periods—up to 40 weeks. Special coatong on outside seals microscopic holes which roots would otherwise find. Band easily removed at transplant time.

	Per 1000		Per 1000
1¾x1¾x2½	$6.10	3x3x3	$8.50
2 x2 x2½	6.45	4x4x3	10.45
2 x2 x3	7.55	4x4x4	12.90
2½x2½x3	8.10		

BIRD'S VITA-GREEN POT

S-1559 Plant the Vita-Green pots with your plants and end needless transplanting. Eliminate transplant shock. They stay clean and are mildew resistant. They are green colored for more sales appeal, nutrient treated for healthier plants. **Sold in original cartons only.**

Size	Weight per case	Quantity per case	Price per case
2¼-in.	17 lbs.	2000	$14.20
2½-in.	22 lbs.	2000	17.20
3 -in.	31 lbs.	2000	24.80
4 -in.	31 lbs.	1000	16.75



VAUGHAN'S VAL-PAC ALUMINUM CONTAINER

Available for Immediate Shipment.

S-1444 Lightweight but sturdy with improved rib bottom for better drainage. You grow, ship and sell plants in these containers. Plants will sell more readily when grown in this Val-Pac aluminum container. Write for free sample.

SIZE: 8 ins. long x 5⅝ ins. wide x 2⅜ ins. deep with full curled rim and rib bottom. Perforations—8 holes ¼-in. diameter. .0035 material.

Since these are packed 500 to a carton, we will accept a trial size order for 500 at the thousand rate, and ship them on an f. o. b. Chicago basis. Orders for 1,000 or more Val-Pacs are prepaid.

Prepaid prices per 1,000

1,000	$55.50	25,000	$49.50
5,000	51.50	50,000	48.00
10,000	50.50		

PERM-A-NEST PLANT TRAYS

For Florists and Home Growers. Easy carrying and lightweight. Attractive grouping of potted plants with natural watering from the bottom. No leakage or mud stains. Made of rugged, shatterproof, high-impact polystyrene. For Greenhouse Seed and Bulb Flats. Controlled drainage—drill out drain embossments as desired. No Plant disease from Permanests. Smooth hard surface has no bacteria-hiding pores. Washable. Easily sterilized with ordinary detergents. **Sold in original cartons.** Colors: Medium Grey or Light green.

Cat. No.	Sizes	Quantity per ctn.	Weight per ctn.	Cost per ctn.	Retail Each
S-1440	4x 8x2½"	36	4 lbs.	$5.40	$ .25
S-1441	8x 8x2¾"	24	7 lbs.	7.06	.49
S-1442	8x12x2¾"	12	4 lbs.	4.25	.59
S-1443	22x11x2¾"	6	7 lbs.	7.13	1.98

NEPONSET "TOM THUMB" FLATS

S-1540 Made of heavy fibre resinous material. Easily set up. Comes in two sizes; No. 1 holds dozen 1¾-inch bands; No. 2 holds dozen 2-inch bands. You will find these ideal for counter sales of bedding or vegetable plants. Price, size No. 1, flats only, $44.70 per M; complete with 12,000 No. 10 bands, $96.80 per M sets; No. 2, flats only, $49.60 per M; price complete with 12,000, 12x2x2½, No. 10 bands, $106.70 per M sets.

No. 3 BIRD'S GRO-TAINER

S-1448 The modern seedling flat, combining all of the top features necessary to grow top quality plants. Holds one dozen plants. No waterlogging. Designed for proper moisture control. One drainage hole is under normal center of each plant. Top Dimensions: 8¾ inches long by 6⅞ inches wide, 2⅝ inches deep. Sold in original cartons only. Will hold 1 dozen 1¾x1¾x2½ Vitabands.

Cat. No.	Weight per 1000	Packed per case	Price per 1000	Price per case
S-1448	140 lbs.	200	$58.00	$12.00

Insecticides and Weed Killers

VAUGHAN'S NEW ROSE AND PLANT DUST OR SPRAY

Recommended lor control of black spot, powdery mildew and many other plant diseases, also red spider, mites, as well as many types ol insects. Made up ol a combination of the latest and most effective ingredients such as Captan, Karathane, Malathion, and DDT. A combination insecticide and fungicide. 8 oz. pump gun.

Cat. No.	Size	Packed	Wt.	Dealer Cost	Retail
S276	8 oz.	24	22 lbs.	**$18.00**	$1.25
	1 lb.	12	18 lbs.	**10.80**	1.50
	5 lb.	10	54 lbs.	**39.00**	6.50

S-267 VAUGHAN'S ROSE AND PLANT NEW SQUEEZE DUSTER. Contains a combination of insecticides and fungicides for controlling chewing and sucking insects. Also fungus, mildew, black spot, etc. Just squeeze with one hand. Gives uniform coverage. Duster is relillable, weatherproof. Packages are ideal for outdoor or indoor display. 8 oz. each $1.39; carton ol 12, $10.00.

S-220 GRAY'S IRIS BORER ERADICATOR. Recommended by leading Iris Growers. Pints each $1.50; per case of 24 $24.00; quarts each $2.50; per case ol 12, $20.00

S-161 DIMITE. A quick, positive, long lasting contact control lor mites and red spider damaging evergreens, llowers, fruit and shade trees, etc. 8 oz. each $2.00; qts. each $3.50; gals. each $12.00.

Vaughan's Formula Z
TURF FUNGICIDE FOR GREEN LAWNS

The first (Broad-Spectrum) 5-in-1 Lawn Fungicide for all known lawn diseases! Turns grass green while lungicides go to work! When lawns turn brown in midsummer the chances are it's caused by *disease!* Vaughan's new FORMULA Z for the lirst time combines in one compound 5 chemicals that will destroy known lawn lungus diseases!

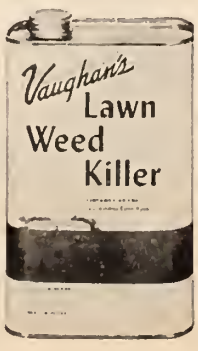
- **Stops summer brown-out . . . restores green color instontly.**
- **No need to identify fungus disease since Farmula Z staps all.**
- **Effective on brown patch, leaf spat, dallar spat and many others.**
- **Eosy to opply—use as a dust or a sproy.**

8 az. treats 2,000-4,000 square feet
5 lbs. treats 20,000-40,000 square feet

Cat. No.	Size	Packed	Wt.	Dealers Cost	Retail
S304	8 oz.	12	12 lbs.	**$25.20**	$3.50
	5 lbs.	1	6 lbs.	**16.30**	24.75
	5 lbs.	4	24 lbs.	**59.40**	24.75

CHEMICAL WEED KILLERS
VAUGHAN'S LAWN WEED KILLER (2, 4D)

LOW-VOLATILE ESTER TYPE



S-448 Of all the weed killing chemicals, the original discovery, 2, 4D, is the most dependable. It does its work with raroly a failure, clearing your lawn of broad loaved weods, and keeping your grounds free of almost all unwanted plant gro' ths. Vaughan's Lawn Weod Killer contains 2, 4D plus 2,4,5T which makes it fatal to woody plants as well as weeds. Poison oak, poison ivy, cherry, honeysuckle and others are easily exterminated. 8 oz., covers 1,500 sq. ft. retails at $1.00, carton of 24, $14.40; quart, covers 5,000 sq. ft. retails at $2.75, carton of 12, $19.80.

Vaughan's Liquid Super SODAR® for Quick Kill

S-271 This high-power version ol SODAR®, the crab grass killer, comes in liquid form and should be applied with a sprayer. You can see the crab grass plants lose color as it hits them, and complete destruction takes place in a matter of hours, not days. Full instructions come with it. It will quickly clear a heavily infested space where you may want to make a new lawn. 1 pint covers 1500 sq. lt. 1 pint retails at $2.35; each $1.85; per case of 12, $16.92; 1 qt. retails at $3.95; each $3.15; per carton of 12 for $28.44.

VAUGHAN'S CRAB GRASS KILLER (SODAR) IS BEST OF ALL AND COSTS LESS

S-449 Researchers were surprised last summer by the effective way in which a chemical new to the weed killing group removed crab grass and chick weed lrom test plots without the slightest injury to the turl grasses. Not only did it do a better job than those previously used, but it was far more economical and easier lor an amateur to apply. We think so highly ol this discovery that we oller it under our own name, as Vaughan's Crab Grass Killer. The chemical which performs so well is Di Sodium Methyl Arsonate. It can be applied early or late in the season, on young plants or those about to seed. A sprinkling can works well on small lawns, and pressure sprayers on larger areas. One treatment kills young plants, mature plants may need two. 4 ounce, treats 1,000 sq. lt. retails at $1.25; carton of 12, $9.00; 1 pound treats 4,000 sq. ft., retails at $3.50 carton ol 12, $25.20; 5 lbs., treats 20,000 sq. lt., each $14.75; case of 4, $35.40 20 lb. drum, treats 80,000 sq. lt., $32.00 by express collect.

S-471 VAUGHAN'S LAWN CLOVER KILLER. A selective control of clover in all types of lawn. 8 oz. tin covers approximately 1500 sq. ft. of area. Retails each $1.25, carton of 24, $18.00.

Vaughan's KO®

KO = SODAR® plus 2, 4D Mixed Dry, Ready to Use!

MADE FOR USE IN SPREADERS!

Here's SODAR®, so deadly to crabgrass, plus 2, 4D to kill all common lawn weeds like dandelion, ragweed, plantsin and many others—now combined in convenient DRY lorm. KO is the *only* dry double purposa crabgrass and weed killer. Apply by spreader or hand. 9 lb. bag covers 2500 sq. ft.

Cat. No.	Packed	Wt.	Dealers Cost	Ret. ea.
S-378	1	9 lbs.	**$2.64**	$3.95
S-378	4	36 lbs.	**9.48**	3.95
S-378	1	18 lbs.	**4.64**	6.95
S-378	2	36 lbs.	**8.34**	6.95

Prepaid in lots of $75.00 or more.

S-208 G&O RABBIT REPELLENT. With safoty to all including the rabbits. This 200 mesh fine snulf-like product is impregnated with rain resistant ropelling "naturals" so that an application should last several weeks. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. 1 lb. retails for 50c; per carton of 24, $8.00. 5 lb. bag retails for $1.75. Per carton of 6, $7.00.

DUPONT "AMMATE-X" WEED AND BRUSH KILLER

S-404 (Ammonium Sullamate). A non-poisonous weed killer which can be applied by hand or power sprayer or can be applied dry. Will kill poison ivy, poison oak, poison sumac, dandelions and plantain. Use ¾ to 1 lb. to a gallon of water. Price, 2 lb. pkg., $1.25, 6 lb. jar, $3.25 60 lb. bag, $18. 0.

CRAG HERBICIDE—1. Controls crabgrass without discoloring lawn grass. Prevents weeds in vegetable and flower gardens, around shrubs, evergreens, and hedges, and in driveways and walks. Doesn't hurt established, deep rooted plants. One pound package treats 2,000 square leet of lawn lor the season. 4 oz. size put up in display carton of 12 pkgs.

Cat. No.	Size	Packed	Wt.	Dealers Cost	Retail
S299	4 oz.	12	4 lbs.	$ **10.80**	$ 1.50
	1 lb.	6	9 lbs	**16.16**	4.49
	Case of 16 2 lb. bags, 50 lb. drum.			**70.40**	6.00
				107.50	122.50

S-428 For ordinary grass and weeds, each part of Herbicide may be diluted with lorty to fifty parts ol water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Qt. 85c; gal., $2.00; 5 gals., $8.50; 30 gallon drum, $28.50; 55 gals., $44.00.

HERBICIDE
THE WEED EXTERMINATOR

S-466 WEEDONE CONCENTRATE 48. Contains approximately 39% ethyl ester, or 3 lbs. (48 oz.) of 2,4-D acid equivalent per gallon. 1 gallon cans each $4.50; case of 6, $22.50; 5 gal. cans, each $19.95.

S-461 WEEDAR 64. Contains approximately 68% of the alkanolamine salt ol 2,4-D or 4 lbs. (64 oz.) 2,4-D acid per gallon. 1 gallon cans, each $4.75; case ol 6, $22.80; 5 gal. cans, each $19.95.

S-468 WEEDUST. 2,4-D. 12 oz. Shaker top. Each, $1.00; doz., $7.50; per carton of 24, $14.40.

S-464 NEW IMPROVED WEEDONE. Contains 2,4-D plus 2,4,5-T. With this combination of weed killers you can keep your grounds free from almost any unwanted plant growth. This newest improved Weedone will control Willow, Locust, Sumac, Poison Oak, Poison Ivy, and other woody weeds. 8 oz. covers 1500 sq. ft., retails at $1.00, per case ol 24, $14.40; qt. cans retail at $2.75, per case of 12, $19.80; gallon retails at $6.75, per case of 6, $28.35; 5 gallons retails for $24.75, each $19.75.

S-465 WEEDONE BRUSH KILLER 32. Contains the powerlul 2, 4, 5-T plus 2, 4, D for control ol woody plants. 8 oz. can retails at $1.49, per case of 24, $21.45. 1 qt. can retails at $3.75, per case of 12, $27.00. 1 gal. retails at $7.25, per case of 6, $34.80. 5 gal., drum, retails each $34.50, each $27.50.

S-401 ACTIVO. Make your own fertilizer easy, in as little as three weeks. Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge etc. Sprinkle in outdoor toilets reduces odors, makes easily handled ash ol waste. No. 2 size, $1.00, per carton of 24, $20.16; treats 450 lbs. compost; No. 7 size each $3.00, per carton of 6, $12.00; treats up to 1800 lbs.; No. 20 size $5.50; treats up to 2 tons compost. No. 50 size drum, $9.95; treats 6 tons compost.

S-402 ADCO ARTIFICIAL STABLE MANURE. To make it yourself, to each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco. This makes four tons of fresh or three tons ol rotted manure. Full directions. 5 lb. bag., $1.85, per ctn. of 10, $13.50; 20 lbs., $3.50, via express; 80 lbs., $15.50, via motor truck.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

INSECTICIDES

TEDION—25% Wettable Powder

WE NOW HAVE TEDION ON HAND

A new spider mite control which kills eggs and newly hatched mites over a long period. Use 2 lbs. to 200 gallons of water, plus 12 ounces of spreader.
2-lb. pkg. for **$5.20;** 6 2-lb. pkgs. for **$27.50;** 1 carton of 12 2-lb. pkgs. for **$52.00.**

1S-18 ARAMITE-15W. Dry Wettable powder. Highly effective against red spider, on greenhouse and outside flowers, and fruits. 4 oz. $1.00; 12 oz. $2.00; 4 lb. bag, each $3.50; 50-lb. bag, $41.00.

5-122 ARSENATE OF LEAD. The standard spray or dust for quick, dependable control of practically all leaf-eating (not sucking) insects. 1-lb. carton, 90c; case of 24, $14.40; 4-lb. bag, $1.50; 48 lbs., $14.64.

5-151 CYANOGAS CALCIUM CYANIDE "G". Greenhouse fumigant. Aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., $4.25; 25 lbs., $13.75; 100 lbs., $36.00. Write for leaflet.

5-242 ENDRIN EMULSIFIABLE CONCENTRATE. Contains 1.6 lbs. Endrin per gal. Recommended dilution for cyclamen mite is 1 to 400, with a spreader. 1 gallon each, $12.90.

5-347 FLOWERS OF SULPHUR. Dusting grade. 50 lbs., $3.75; 2 bags for $7.25.

5-295 GRASSELI S. S. 3 COMBINED SPREADER AND STICKER. Designed for use with agricultural sprays. Pt., $1.20; gal., $7.95; 5 gals., $37.50.

5-214 VAUGHAN'S TREE PROTECTOR, PRUNING PAINT AND TREE WOUND DRESSING. Acts as a balm and repellent against insects. Protects against decay and fungus. Pints, $1.25 each, per ctn. of 24, $18.00; quarts $1.80 each, dozen $12.96; gallons, $4.25 each, carton of four $10.20.

5-124 KELTHANE. 18.5% Emulsion Concentrate. Most effective miticide. Safe to use on ornamentals, flowers etc. Less toxic to mammals than DDT. Recommended dilution, 1 pint to 100 gallons of water. Via Express only. Gallon jug, each $10.75 5 gallon drum for $50.00.

5-222 LINDANE-25%—Wettable. For aphids, on Nursery and ornamental plants, spray 1 lb. in 100 gallons of water. 1 lb. can, price each $1.90; per case of 12, $18.96; 20 lb. drum, each $36.00; 3 for $88.80.

5-294 50% MALATHON SPRAY. Safest of the phosphate insecticides. 1 oz. 50c ea., 4 oz. $1.25 ea., pt. each $3.00, qt. each $4.50, gallon each $12.50.

5-178 MARLATE METHOXYCHLOR 50% INSECTICIDE. Active Ingredient: Methoxychlor Technical 50%. 8-oz. tin, each $1.00; 4 lb. bags, each, $3.50; per carton of 12, $33.20.

5-244 NICO-FUME LIQUID. For fumigating or spraying; contains 40% nicotine. 8 lbs., $11.75.

5-310 P-40 IS TWO PER CENT SODIUM SELENATE and ninety-eight per cent carrier (superphosphate in the present material). It is a dilute material. Three pounds treats only 100 square feet of bench area. 25 lbs., $12.50; 100 lbs., $40.00.

5-176 PARATHION 15% WETTABLE POWDER. Shipped via express only. Good control of Cyclamen Mite, Red Spider, Thrips, Aphids, and various nematodes. 4 lb. bag, $3.00; 50 lb. drum, $32.50.

5-264 PINE TAR. Gal., $1.75.

5-211 TERRACLOR W.P.75%. Controls Rhizoctonia stem rot by inhibiting growth of the fungus responsible. Also controls certain broad-leaf weeds. For soil drench, mix 1 lb. per 100 gallons of water, to treat 400 sq. ft. of greenhouse bench. 5 lbs. for $4.75.

5-332 VAPOTONE XX Insect Spray. Particularly effective against Red Spiders, Aphids, and many other insects; has been approved for use in greenhouses and on nursery stock. 1 gal., $12.00.

5-158 50% DDT WETTABLE POWDER. The most economical form of DDT in ordinary use. Kills many insects on fruit and shade trees, corn, potatoes and other row crops. 1 lb., $1.00; 4 lb. bag, $1.60; per carton of 12, $14.40.

5-157 Pratt's D. D. T. 25% LIQUID SPRAY in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants. 8 oz. each 95c; 1 qt. each, $1.65; Gal., $5.00.

5-155 D. D. T. 5% DUST. 1 lb. retails, 60c; per carton of 24, $8.64; 4 lb. pkg., retails, $1.35; per carton of 12, $9.72; 50 lbs., $7.00.

5-336 VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. Gallon, each $2.75; 5 gals., $9.25.

5-134 SNAILICIDE. Contains 10% Metbaldebyde and 5% chlordane. A new effective control for snails and slugs. Apply 1 lb. to 400 sq. ft. 5-lb. package, each, $4.50; per carton of 12—5-lb. packages, $42.00; 20-lb. bag for $13.00.

LETHALAIRE MOST RELIABLE AEROSOL BOMBS

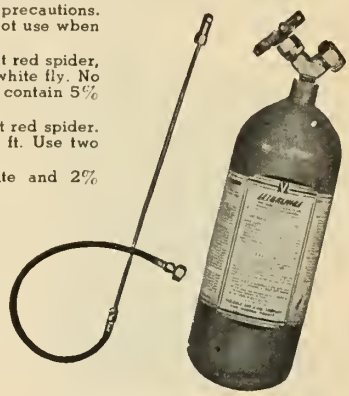
5-345 PARATHION No. G-54. One of the most effective controls known for red spider, mealy bugs, aphids, thrips, leaf rollers, white fly, cyclamen mite and many other greenhouse pests. 4 lb. bomb contains 10% Parathion. Very toxic, be sure to use recommended precautions. One bomb treats 200,000 cu. ft. of greenhouse space. Do not use when sulphur is present; may cause damage.

DITHION No. G-57. Valuable in control of Parathion-resistant red spider, as well as aphids, and certain species of mealy bugs and white fly. No injury noted on roses when sulphur is present. 4 lb. bombs contain 5% Tetraethyl di-thio pyrophosphate and treats 200,000 cu. ft.

ARAMITE No. G-60. Especially effective against the resistant red spider. 4 lb. bomb contains 10% Aramite and treats 200,000 cu. ft. Use two applications one week apart.

ARAMITE & LINDANE No. G-61. Contains 10% Aramite and 2% Lindane for use on greenhouse ornamentals only. Recommended for the control of two spotted spider mites, various species of aphids, thrips, mealy bugs and white flies on roses, chrysanthemums and carnations. One 4 lb. cylinder treats 200,000 cubic feet of greenhouse space.

MALATHION No. G-62. Contains 15% 0,0-dimethyl dithiophospbate of diethyl mercaptosuccinate (technical Malathion). Recommended for the control of the red spider (non resistant strains), various species of aphids, thrips, mealy bugs and white flies on roses, carnations and chrysanthemums. One 4 lb. cylinder treats 200,000 cu. ft.



PRICES OF BOMBS

No.	Type	Each	Deposit
G-52	TEPP	$ 6.50	$3.75
G-53	DDT	8.50	3.75
G-54	Parathion	8.00	3.75
G-57	Dithion	8.00	3.75
G-60	Aramite	12.00	3.75
G-61	Aramite & Lindane	12.50	3.75
G-62	Malatbion	9.75	3.75
G-63	10% Cblorobenzilate 80, 10% OMPA	13.50	3.75

NOTE: The deposits on the bombs are refunded when they are returned to us prepaid. Orders of 12 or more bombs will be shipped prepaid, and empties may be returned in quantities of 12 by freight collect, direct to factory or prepaid to us in smaller quantities.

APPLICATORS

Special applicators must be used with these Aerosol Bombs. Applicator has universal coupling to fit any bomb.

S-1912 No. 20 24 inch applicator $7.00 each
S-1912 A No. 30 36 inch applicator 7.25 each
S-1912 B No. 40 48 inch applicator 7.50 each

S-1907 Willson Greenhouse Mask—Style WIG-G3FD in cardboard carton . . . . . Each **$27.00**
S-1907A Willson Greenbouse Mask in Fibre Carrying Case . . . . . Each **35.00**
S-1905 G3FD Replacement Canister (750 CC) . . . . . Each **3.95**

FUNGICIDES

S-246 AGRI-MYCIN 100 ANTIBIOTIC PLANT SPRAY. The first successful control for many plant diseases and blights. Cleans out infection from within. 2.4 oz. jar, each $1.95; Jar of 9.34 oz. $7.20.

S-127 BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, and many other fungoid diseases. Lb. will make 5 gals. liquid. Lb., 85c; 4 lbs., $1.75.

S-293 CAPTAN 50-W. (Fungicide 406). For leaf diseases on roses, mums, carnations etc. and root rot, damping off, rust and black spot. Put up in 2 lb. pkgs. each $2.00; 5 lb. bags, $4.75 each, 5 bags for $22.50, carton of 10 bags $42.50.

S-193 FERMATE. For black spot on roses, leaf spot on chrysanthemums, snapdragon rust. For all fungi and mildews. 8 oz. each $1.00; 3 lbs., $2.10; 6 packages for $12.00; Case of 12-3 lb. packages, $21.60.

S-221 MILDEX (ISCOTHAN) FUNGICIDE. A wettable powder for controlling powdery mildew on roses and other greenhouse crops. 3 lb. containers, $6.30 each; 6 pkgs. for $36.00; 100 lbs. drum for $160.00.

S-281 MANZATE FUNGICIDE. Outstanding for control of all major fungus diseases. 3 lb. bag, $3.25, 50 lb. drum for $54.00.

S-255 PANODRENCH. *Pano-drench 4*
The new control for damping-off in greenhouses on flowers and ornamentals. Can be used instead of steam sterilization for control of certain fungi causing damping-off. Contains a dye so that the diluted solution can be easily identified. Panodrench is easy to apply. Add one teaspoon of Panodrench to each three gallons of water. This can be applied with a sprinkling can or hose and spraying attachment. 1 oz. bottle for $1.95, postpaid $2.05; 4 oz., each $5.95, postpaid $6.10; 16 oz., each $19.20, postpaid $19.50.

S-268 PARZATE FUNGICIDE (ZINEB). Dupont's newly developed dithiocarbamate fungicide which may be used as a spray or a dust. 3 lb. pkg. dust, $2.85; 6 for $15.60.

S-1916 RESPIRATORS. New Improved Agritox. U.S.D.A. Accepted. For mild fumigating and dusting. Each, $5.25.

S-301 SEMESAN. Seed disinfectant and stimulant controls damping off of seedlings, and disinfects soil, 4 oz., $2.50; 12 oz., $5.95; 25 lbs. $105.00.

S-313 SPERGON SEED PROTECTANT. 1 oz., 50c; doz., $4.00; 1 lb., $2.50; 5 lbs., $9.50.

S-230 SULPHUR FOR SPRAYING. Magnetic spray. Wettable. Goes in suspension into water immediately like colloidal sulphur, at a lower cost. 6 lbs., $1.25, per carton of 8, $6.50, 100 lbs., $9.95.

S-342 ZERLATE (ZIRAM) FUNGICIDE. For control of plant diseases. Has natural adhesive and wetting qualities. Does not easily wash or weather off when applied to plants. Can be mixed with insecticides such as Arsenicals, Nicotine, Rotenone, Pyrethrum, D.D.T., etc. Price per 3 lb. pkg., $2.45; 6 packages for $13.50. Case of 12-3 lb. packages, $23.40.

SOIL AND GREENHOUSE FUMIGANTS

S-172 DOWFUME MC-2 LIQUID. 1 lb. each, $1.15; case of 24 for $21.84. Jiffy Applicator, $4.50.

S-234 METHYL BROMIDE. An ideal fumigant for many purposes. For seeds, bulbs and many greenhouse plants. Per lb. can, $1.15; per case of 24 cans, $21.84.

S-262 PLANTFUME NO. 103 SMOKE GENERATORS. For greenhouse use only. Active ingredient 15% Tetraetbyl Ditbiopyropbospbate.
5,000 cu. ft. fumigator, per carton of 36, $12.00;
20,000 cu. ft. fumigator, per carton of 12, $12.00.

S-202 NICOTINE FUMIGATORS. FULEX. For use on Greenhouse Ornamentals only, Gives efficient results on greenhouse aphids and most thrips. Contains 14% Nicotine (Alkaloid).
10,000 cu. ft. unit size, carton of 12 for $ 9.60
20,000 cu. ft. unit size, carton of 12 for 16.20

S-198 FULEX PARATHION FUMIGATORS. For most greenhouse ornamentals including carnations, chrysanthemums, geraniums, snapdragons, African violets and many other tolerant varieties **even in bloom!**
2,000 cu. ft. fumigators, per carton of 24, $11.50
5,000 cu. ft. fumigators, per carton of 24, $14.50
10,000 cu. ft. fumigators, per carton of 24, $17.00
20,000 cu. ft. fumigators, per carton of 24, $26.00

S-201 FULEX APHID SMOKE. New Fulex greenhouse smoke fumigator for Aphids, Adult White Flies and Adult Leaf Tyers. Contains Lindane.
2,000 cu. ft. unit size, carton of 24 for $11.00
5,000 cu. ft. unit size, carton of 24 for $14.00
10,000 cu. ft. unit size, carton of 24 for $17.00

S-199 FULEX SPIDER-MITE FUMIGATOR is a simple smoke generator designed for use against greenhouse red spiders, two-spotted mites and some strains thereof resistant to parathion. Contains aramite (technical).
2,000 cu. ft. size, per carton of 24.. $11.50
5,000 cu. ft. size, per carton of 24. $14.50
10,000 cu. ft. size, per carton of 24. $19.00
20,000 cu. ft. size, per carton of 24.. $31.00

S-210 VAPAM 4S SOIL FUMIGANT. Vapam has proven highly effective in the control of weeds and weed seeds, nematodes and soil fungi. Write us for leaflet. One-gallon jug, each $4.75; 5-gallon drum for $21.00; 30-gallon drum for $97.50.

S-108 V-C 13 NEMACIDE. For controlling nematodes in greenhouse benches, seed flats, potting soil, etc. Write for leaflet. 8-oz. bottle, ea., $2.50; 2½-lb. bottle, ea., $8.50; 10-lb. bottle, ea., $28.50.

Add Postage According to Weight and Zone (See Order Blank)

Sprayers, Dusters and Fertilizers

CHAMPION KNAPSACK SPRAYER

All purpose sprayer. Tank shaped to fit man's back. Holds 4¼ gals. of fluid. Net weight 12 lbs. Adjustable brass nozzle permits either fine mist or 35 ft. stream.

S-717 Galvanized, price each, $22.95.

S-716 Brass, price each, $25.45.

S-711 Stainless Steel, each $36.00.

G. S. MASTER SPRAYER

The finest sprayer for applying shading compounds, whitewashing and all types of insecticides, flower and vegetable gardens, fruit and ornamental trees. Sprays from a fine mist to a 35 ft. spray stream. Made of 100% brass throughout.

S-747 Jr. Model each, $6.95; postpaid $7.50.

S-746 Master Model with adjustable nozzle and 45 degree brass extension. Each $8.95; postpaid $9.50.

VAUGHAN'S PISTOL-GRIP DUSTER

S-707 For protecting small gardens from insects and diseases, dusts have many advantages over sprays. But dusting can be tiring unless you have the right duster.

Our Pistol-grip Duster is right in economy, accuracy, and ease of handling. You keep it loaded and when your plants are threatened, hold it like a pistol and shoot out a cloud of dust by pulling a 3-finger trigger. Your other hand is free to push aside obstructions and expose the target you are after.

It holds 6 to 8 ounces of dust depending on fineness. An agitator prevents the dust from packing. The easy trigger pull is stepped up by gears to operate the blower. Each $5.95; postpaid, $6.20.

ONE-MAN PRESSURE SPRAYER

S-775 JIM DANDY CART SPRAYER. The king of all sprayers. The all around sprayer for lawns, vegetable crops, trees, shrubs, etc. Also a hand sprayer for factory or indoor use. Easily wheeled around. Equipped with balloon tires and 12 ft. of ⅜ inch high grade spray hose and automatic shut-off nozzle. Galvanized 5 gallon capacity price each, $37.50; via express collect.

Dobbin's Bighead Sprayers

Has large 4¾" top opening. 4 gal. galvanized or stainless steel tank. 7⅜" diameter and 24½" high. Pump is seamless brass tubing, 1¾" diameter, 14⅛" long. 3-ft. hose with 2-ft. brass extension and adjustable nozzle. Automatic shut-off. Adjustable carrying strap.

S-734 Model 44A Galvanized tank. Each, $15.50.

S-737 Model 45A Stainless steel, Bighead 4 gallon, sprayer. Each, $28.75.

S-744A HUDSON SUBURBAN POWER SPRAYER. Model 1010. 10 gal. galv. tank complete with 10 ft. high pressure hose with adjustable nozzle, width overall 21 inches. 1½ h.p. 4 cycle air cooled engine. Each $119.62.

S-744 Model 10 10E ½ h.p. electric motor. Each $127.11.

CYANOGAS FOOT PUMP

S-727 For pumping Cyanogas A-Dust into insect nests, rat burrows, mole run-ways, and for other burrowing pests. Will last indefinitely if not abused. Made for heavy duty. Weight, 8 lbs. Price each, $15.00.

CYANOGAS "A" GRADE

S-150 For moles, rats, gophers, and other ground rodents. 1 lb., doz., $9.00, 5 lbs., each, $4.25; 25 lbs., $13.75; 100 lbs., $36 00; 4-oz. tins for ants, doz., $3.60.

via express only

S-229 WONDER-BREL contains Gibrel. The amazing growth stimulant, which makes plants grow to giant size; produces rapid turf growth; breaks dormancy of seeds, leaf and flower buds; produces dramatic results when applied to plants.

Professional Concentrates (liquid) No. 4—8 oz. makes 2 gallons. No. 5—1 qt. makes 8 gallons. 8 oz. each $3.00, postpaid, $3.25; 1 qt. each $10.00, postpaid $10.35.

PACKAGED FERTILIZER

S-454 RA-PID-GRO the Foliage Plant Food. Analysis 23-21-17 with Minor Elements, Vitamins and Growth Hormones. Good for all crops. 6 oz. retails at 50c packed 2 to carton $7.20. 1 lb. retails at $1.30 packed 12 to carton $9.36. 5 lb. retails at $4.75, packed 6 to carton $17.10. 10 lb. retails at $9.00, packed 4 to carton $21.60. 25 lb. each $13.50. 50 lb. each $25.20.

S-429 HY-GRO PLANT FOOD. Famous 13-26-13 soluble formula and starter solution. Produces healthier growth and heavier yields—speeds earlier growth of seeds—checks wiltering of transplants. Contains growths, hormones, minerals and other plant nutrients —provides all the food necessary for healthy plant growth. 4 oz. Polyethylene Bags retails at 39c, packed 48 to carton, price per carton $11.20; 1 lb. retails at $1.19, per carton of 12, $9.57; 3 lb. pkg. retails at $2.65, packed 12 to carton, price per carton $19.08; 10 lb. container each, $7.00, case of 3, $12.60; 50 lbs., $15.50; 100 lb. drum each, $26.00.

S-1801 ORCHID PEAT. (Fern Roots). Very useful for Orchids and Azaleas $5.25 per sack of 5 lbs. add postage.

S-453 PLANT MARVEL. Analysis 12-31-14. Pure rich plant food. Use it indoors or outdoors. Convenient attractive lithographed container. ½ lb. can makes 125 gallons of liquid plant food. ½ lb. can retails at 80c each, carton of 24, $12.80. 1 lb. can retails at $1.35 each, carton of 12, $10.80; 5 lb. can retails at $4.75, per carton of 6, $19.00; 10 lb. drum $5.50 each; 25 lbs. $12.50; 50 lbs. $22.50 each; 100 lbs. $40.00 each. Handy Aluminum measure and directions included in each package. Trial size packet makes 50 qts. of Plant Food, retails at 35c each, carton of 48, $10.08.

S-451 FULTON'S PLANTABBS. Odorless plant food in tablet form; supply a complete balanced plant food including Vitamin B-1. Prices, put up in boxes, 19c size, ctn. of 36, $4.10; 39c size, per ctn. of 24, $5.62; 59c size, per ctn. of 12, $4.25; $1.00 size, per ctn. of 6, $3.60; $3.50 size, each $2.35, plus postage.

S-436 NEW PLANT LIFE. A well-known liquid fertilizer for house plants. Prices, retails 29c per bottle; packed 24 in a display carton, $4.64 8 oz., 59c; carton of 24, $9.44; gal., $3.00 not mailable.

HOZON FERTILIZER APPLICATOR

(Fertilizes as you Sprinkle)

S-915 Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn. One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of die cast metal, each $1.85; postpaid, $2.00.

Vaughan's High Grade Fertilizers

The Yield and Quality of Vegetation Depend Upon Continuous and Rapid Growth. Prices for Florists F.O.B. New York Store

It has been demonstrated that crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Plant food of the right amount and kind controls the yield and quality of products more than any other condition, and it is neither wise nor economical to depend upon the natural condition of the soil or the application of stable manure only for profitable crops.

ADCO. Artificial Stable Manure. Convert all non-woody vegetable refuse such as stalks, cuttings, weeds, withered leaves and flowers, vines, etc., into artificial manure. A 25-lb. bag is enough for 12 wheelbarrow loads of waste, making ½ ton of manure. 5 lb. ea. $1.50, 10 for $10.00; 20 lb. ea. $2.75, 5 for $13.00. Instructions with each bag.

AGRICO. For Lawns, Trees, Shrubs and Flowers, 6-10-4. 5 lbs. $3.75 bale of 10, retails 55c each; 10 lbs $3.18 bale of 6, retails 80c each; 25 lbs. $4.55 bale of 4, retails $1.70 each; 50 lbs. $3.60 bale of 2, retails $2.65 each; 100 lbs. $3.25 each, retails each $4.75. (Prices subject to change.)

AGRICO. For Broadleaf Evergreens not only supplies the right balance of all the needed plant foods, but one that also builds up soil acidity, which is essential for best growth. It is specially formulated to do both jobs properly. Apply Agrico for Broadleaf Evergreens in early Spring, at the rate of 3 lbs. per 100 sq. ft. For flowering plants, make a second application of 1 to 2 lbs. per 100 sq. ft., as soon as the buds appear. 10 lbs. $4.60 bale of 6, retails $1.15 each; 25 lbs. $5.85 bale of 4, retails $2 20 each; 50 lbs. $4.40 bale of 2, retails $3.40 each; 100 lbs. $3.70 ea., retails $5.50 each. (Prices subject to change.)

ALUMINUM SULPHATE. For creating acid condition in the soil. 50 lbs., $2.75; 100 lbs., $4.20; 200 lbs., $8.00.

AMMONIUM SULPHATE. 20.6% nitrogen 100 lbs., $5.50.

ACTIVO (FORMERLY CALLED BACTO) BACTERIAL COMPOSITION. Makes fertilizer out of garbage, sewage, leaves, garden rubbish, sawdust, etc. Cheaply and quickly deodorizes outdoor toilets. No. 2 size retails $1.25 each, 12 for $9.00; No. 7 size retails $2.75 each, 6 for $9.90; No. 20 size retails $7.00 each, for $4.50 ea.; No. 50 size retails $12.00 each, for $8.25 each; No. 100 size retails $20.00 each, for $12.00 each.

ARMOUR VERTAGREEN PLANT FOOD. Vertagreen is a high quality blended and balanced plant food for lawns, flowers, shrubs, trees and garden vegetables, 1 lb. package retails 15c per case of 32, $2.88; 5 lb. package retails for 55c per carton of 12, $4.08; 10 lb. bag retails for 95c; per case of 6, $3.78; 25 lb. bag retails for $1.70; each $1.12; 50 lb. retails at $2.25, price each, $1.75; 100 lb. bags retail for $4.85; per ton $67.00. 500 lbs. or more delivered free to your railroad station within 500 miles of Chicago.

ATLAS FISH EMULSION FERTILIZER. 100% organic. Derived from sea going fish. Safe and easy to use. Non-burning, will not harm foliage. One pint makes 32 to 96 gallons. Long lasting. Can be applied with watering can, sprayer, or hose applicator. Preferred by EXPERTS to insure the health of ALL KINDS of plants, from cabbages to orchids. For African Violets, Ferns, Ivy, and other house plants, use ¼ teaspoon per quart of lukewarm water, once every 10 to 14 days.

Cat. No.	Size	Packed	Wt.	Dealers Cost	Retail
S-405	4 oz.	24	14 lbs.	$ 5.62	$ 0.39
	1 pt.	12	25 lbs.	7.80	1.00
	1 qt.	12	45 lbs.	14.82	1.90
	1 gal.	4	46 lbs.	16.25	6.25
	5 gal.	1	56 lbs.	16.90	26.00

DRIED BLOOD. 12%. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. 100 lbs. $10.00.

DU PONT URAMITE

Now! A completely new kind of nitrogen for greenhouse and nursery plants . . .

It's odorless, free-flowing, clean and easy to apply. 50 lbs. bags—$11.00 each.

KAPCO SOLUBLE FERTILIZERS

Analysis	Prices per pound 25 lbs.	80 lbs.	800 lbs.	2000 lbs.
15-30-15	.26	.24	.22	.20
20-20-20	.26	.24	.22	.20
25-0-25	.24	.22	.20	.18
CARNATION MEDIUM 12½-25-25	.22	.20	.19	.18
AZALEA SO 30-10-10				
PLUS CHELATED IRON	.26	.25	.24	.23

In lots of 300 lbs. or over, Kapco Fertilizers, are Prepaid within 400 miles of Chicago, or McKeesport, Pennsylvania.

Note: Orders for less than case lots will be billed at a higher price than the case lot prices.

VAUGHAN'S ONE SHOT MERION FERTILIZER (20-5-5). The revolutionary new fertilizer that supplies adequate amounts of plant food in the proper proportions. Full 20 units of nitrogen, from many sources including organics and urea formaldehyde compounds.

A proven sales getter at full 40% mark up. Now offered with full direction for Fall application.

Size	Packed	Wt.	Cost	Retail
50 lbs.	10	510	**$53.70**	$8.95

GROGANIC. 6-11-6. A long lasting plant food rich in organics. Contains no filler whatever. Bulk is provided by dried blood, fish scraps, castor pomace and vegetable meal. Boron is added to correct acidity and manganese sulphate to prevent chlorisis (yellowing) in leaves. 5 lb. retails at 85c ea.; $6.20 per dozen. 10 lb. retails at $1.35 ea; $5.26 per carton of six; 25 lb. retails at $2.85, 6 for $11.40; 50 lb. bags retail at $4.95; 5 bags for $16.50.

ELECTRA. Analysis 4-9-3. A high organic plant food for feeding, forcing and finishing. It should be used in potting soil as a top-dressing. Helps bring plants to highest perfection. 80 lbs., $6.50.

FER-MEL—TURF AND TREE FOOD 24-12-12. FER-MEL is different than many other "all purpose" water soluble plant foods on the market today. FER-MEL Turf & Tree Food is a special formula designed for turf and trees. This feature makes the difference in your lawn. FER-MEL is cleaner to apply with NO odor . . . NO dirt . . . NO dust. FER-MEL is easier to apply . . . with an ordinary garden hose or sprinkler . . . makes fertilizing your lawn the professional way just as easy as watering your lawn. FER-MEL can be applied anytime of the day—on wet or dry grass—even in the hottest day of summer—without danger of burning as with most dry fertilizers. FER-MEL is mineralized. These are important in fertilizing golf greens. FER-MEL contains all 12 plant food elements known to be essential to plant growth. The recommended amount of FER-MEL to use is 2 to 4 lbs. per 1,000 sq. ft. (1 to 2 lbs. in summer).

5 lbs.— retails	$ 2.45—case of 10	$15.00
25 lbs.— retails	6.75—single	4.50
50 lbs.— retails	12.75—single	8.50
20 bags or more	10.00 per bag	8.00

MURIATE OF POTASH 62%. 25 lbs., $2.50; 50 lbs., $3.50; 100 lbs., $6.00.

MIRACLE-GRO FOR ALL GARDEN PLANTS including roses, all flowers, all fruit trees and shade trees, all bushes, lawns, all vegetables, all berry plants, shrubs, vines and evergreens. Mix ONE tablespoon of Miracle-Gro to each gallon of clear water. 1½ lbs., $2.25; case of 12, $16.20; 5 lbs., $5.00; case of 6, $18.00. For best results, feed your plants once every 2 weeks.

PEAT MOSS GRANULATED (Irish when available). A moisture-retaining humus, an important aid in saving soil fertility. Better than manure. Large bale, ea., $4.75; 5 to 9 ea., $4.25; 10 or over ea., $4.00. (Prices subject to change.)

PLANT PROD. The Scientific Formula of Soluble Plant Food for the Commercial Growers contains all the essential Minor Elements for developing healthy Plants and Larger Flowers especially recommended for Forcing.
15-30-15; 10 lb., $7.50; 25 lb., $9.00; 50 lb., $12.00; 100 lb., $21.00.
20-20-20; 25 lbs., $7.75; 50 lbs., $10.50; 100 lbs., $18.00.

ROSE FOOD. An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cotton-seed meal and phosphate. This is a special mixture for growing roses and is a balanced, all-purpose fertilizer which can also be used on all flowers, shrubbery, etc. This type mixture has been used by commercial growers and florists for many years and has given excellent results. 5 lb. bag, retails for 85c, price, per carton of 12 packages, $6.80; 10 lb. bag retails for $1.45; price, per carton of six, $5.80; 25 lb. bag retails $3.25 each, $2.20; 80 lbs. $6.00 each, five for $28.00.

SHEEP MANURE. This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 100 lbs., $4.00; 1000 lbs., $39.00; 2000 lbs., $75.00.

SULPHATE OF POTASH 48%. 25 lbs., $2.50; 50 lbs., $4.00; 100 lbs., $6.50.

SUPER PHOSPHATE. 18%-20% available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. 100 lbs., $2.50; 1,000 lbs., $19.00; 2,000 lbs., $37.00.

TERRA-LITE. (Vermiculite) is a sterilized seed starting medium composed of particles of natural mica, exploded to form countless tiny cells that hold water like a sponge without caking or packing down. It has been sterilized at over two thousand degrees F. Since it is disease free, danger of damping off is eliminated from soil borne causes. Packed in 2 grades, medium for seedlings, coarse for cuttings. Large 4 cu. ft. bag, $1.65 ea., 10 bags, for $15.00, 2 bu. bag, each $1.25, 10 bags, $11.50, 4 qt. size retails 45c ea., 12 for $2.94; ½ bushel size retails 85c ea., 6 for $3.18. 300 bags delivered free from factory.

UNIVERSAL ACID PLANT FOOD. (Analysis 5-12-4). A specialty plant food for the more difficult acid loving plants. It creates an organic acid soil condition, is not toxic to roots. Promotes root growth and plant growth which permits growing, training and flowering, with safety. Price per 80 lb. bag, $6.50.

VAUGHAN'S SPECIAL ROSE GROWER BONE MEAL. "Rose Grower." This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 3.70%; total phosphoric acid, 20%, 100 lbs., $9.00; ton, $150.00.

REGULAR GRADE BONE MEAL. 2.40 nitrogen, 20% phosphoric acid. 100 lbs., $6.00; ton, $105.00.

IMPORTANT. The prices on this page are based on present prices of fertilizer and are subject to change as market fluctuates.

We are not responsible for loss of weight due to evaporation of any fertilizers.

JOHN C. VAUGHAN, PRES. LEONARD H. VAUGHAN JR., V. PRES.

NURSERY WHOLESALE
MAIL ORDER
WESTERN SPRINGS. ILL.
CHESTNUT 6-0846

Vaughan's Seed Company

GENERAL OFFICES AND WAREHOUSES
601-609 WEST JACKSON BLVD., CHICAGO 6, ILL.
Phone: Chicago Franklin 2-7560 **New York Barclay 7-4900**

NEW YORK 13,
85 WHITE ST.

FERTILIZER
47TH AND GILBERT AVE.
WESTERN SPRINGS. ILL.
PHONE CHESTNUT 6-1957

PRICES IN THIS CATALOGUE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

PLEASE!

Make Your Order $5.00 Minimum.

We are anxious to accommodate our customers, hut must face the fact that the cost of filling a wholesale order less than $5.00 makes the transaction a loss for us. We believe that in most cases you can think of something else you need, or will soon need, to hring your order up to $5.00 minimum. It will save money for you, as well as us, hy reducing transportation cost, postage, and time.

CASH AND QUANTITY DISCOUNTS. Our schedule of Cash and Quantity Discounts will make it profitable to order as much of your season's requirements as practical at one time, and from one source.

CASH DISCOUNTS: When orders for Flower and Vegetahle Seeds are accompanied hy remittance to cover, the following special discounts may he taken.

UNDER $5.00, net	$100.00 to $150.00, 10%
$5.00 to 25.00, 5%	150.00 to 200.00, 12%
25.00 to 100.00, 8%	200.00 to 300.00, 15%

CHARGE ORDERS: We will allow the following discounts on each order for Flower and Vegetahle Seeds.

UNDER $5.00, net	$100.00 to $150.00, 8%
$5.00 to 25.00, 3%	150.00 to 200.00, 10%
25.00 to 100.00, 6%	200.00 to 300.00, 13%

If paid within 10 days of invoice date, deduct an additional 2%.
Please give us your Post Office delivery zone if you have one.

TERMS OF PAYMENT. To customers of approved credit, 2% 10 days, 30 days net on Flower and Vegetahle Seeds. Roses are net cash.

FIRST ORDERS from all firms not having an account with us should come with cash remittance to cover, if merchandise is needed at once. If cash is not sent, supply hank and trade references and expect a lew days delay while references are checked. Some **individual name** should he signed to all orders.

ADVANCE ORDERS for seeds not yet grown or harvested are subject to prorata delivery in case of short crop.

ESTIMATE ORDERS. These orders are held in file and just prior to shipment a detailed invoice will he sent. Upon our receipt of your check covering the invoice, merchandise will he shipped. Estimate orders enahles you to receive cash discount and save you C. O. D. charges.

POSTAGE for parcel post shipment. The prices in this catalogue except on **Flower Seeds** are not prepaid. Include sufficient to cover postage with cash orders. Postage will he billed on charge orders.

ROUTING. On each Order please give **name of railroad** you wish shipped by; there is no other sure way of correct routing. State distinctly: if hy **Mail, Express, Truck** or **Freight.** If no routing is given, we will use our judgment but cannot he responsible for any delay or over charges.

INSURANCE. We insure all orders for seeds for $50.00 and over at buyer's expense, unless instructed not to do so.

IMPOSSIBLE TO GUARANTEE CROPS.

VAUGHAN'S SEED CO., gives no warranty express or implied, as to the productiveness of any seeds, hulhs or plants it sells; nor does it warrant fertilizers other than in respect to data required of seller hy statutes. It is expressly agreed that the limit of liahility for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it he responsible for loss or damage of the crop.

APPROXIMATE DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U.S. and Possessions. Effective Oct. 1, 1954.	First pound or fraction	Each additional pound or fraction
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Fifth Zone within 600 to 1000 miles	26c	10c
Sixth Zone within 1000 to 1400 miles	28c	12c
Seventh Zone within 1400 to 1800 miles	30c	15c
Eighth Zone all over 1800 miles	32c	18c

NOTE—A fraction of a cent in the total amount of postage on any Parcel is counted as a full cent.

SOIL SHREDDERS

KEMP SOIL SHREDDER

Prepares any kind of soil, wet, dry, or stony—for any purpose. It reduces time and lahor costs from 30% to 50% over old methods: makes manure and fertilizer go further. A Kemp Shredder usually pays for itself during the first year of use.

KEMP POWER SOIL SHREDDER No. 6

Shredding heavy, wet compost made lrom sod and manure. Designed especially for the small grower.

Low in price and economical to operate. Powered with a ¾ H.P. electric motor that can be plugged into any electric light socket.

For use also in potting shed for shredding soil for use in flats aud pots. Also a handy machine for shredding and mixing soil and manure on henches.

SPECIFICATIONS

Length	38"
Width	22"
Height at discharge end	36"
Height at hopper	33"
Weight	200 lhs.
Power	¾ H.P.

Capacity—either one or two men loading hopper.

Parts having most wear, the hopper, top and deflector, made from steel.

Machine shipped complete with motor and cord, ready to plug into socket and run.

Price of No. 6. complete, ready to run . . . $215.00

KEMP SHREDETTE

An All purpose shredder for home gardeners.

With Briggs and Stratton 2 H.P. Gas Engine	$139.50
With 1 H.P. G.E. Electric Motor, 3450 RPM	139.50
Less Power (Includes pulley on machine)	97.50

KEMP SOIL SHREDDERS

No. 6 Complete with ½ H.P. electric motor, 3 ft. of cord, mounted on truck with wheels . . . $198.00

No. 6 Complete with 2 H.P. Briggs & Stratton gas engine, mounted on truck with wheels $194.00

No. 6 Complete, less engine or motor, mounted on truck with wheels . . . $146.00

No. 1 Complete, with 1½ H.P. electric motor, switch and 10 ft. of cord, mounted on truck with wheels . . . $599.00

No. 1 Complete with 5 H.P. gas engine, mounted on truck with wheels . . . $565.00

No. 1 Complete, less engine or motor, mounted on truck with wheels . . . $470.00

No. 2 Complete, with 7 H.P. Wisconsin gas engine, mounted on truck with wheels includes clutch . . . $960.00

No. 2 Complete with 5 H.P. 3 phase electric motor . . . $970.00

No. 2 Complete, less engine or motor . . . $780.00

Peat Baffle Plate for No. 2, Standard Equipment.

MODEL SKO SMALL KEMP ORGANIC SHREDDER model with 2 HP gas engine and rubber tires, each $174.00, 1 HP electric motor, with rubber tires, each $199.50.

ATTACHMENTS

No. 1 Peat Baffle Plate	$ 28.00
No. 1 Elevator attachments 7 ft.	245.00
No. 2 Elevator attachments 7 ft.	420.00
No. 1 Shaker screen attachments with either ⅜", ½" or ¾" round holes	220.00
No. 2 Shaker Screen attachments with either ⅜", ½" or ¾" round holes	250.00

Rubber tired wheels for No 6, $10.00 extra. Extension cord for No. 6 Electric, 40c per ft. Rubber tires for Nos. 1 and 2, $40.00.

(F.O.B. Erie, Pa.)

LINDIG SOIL SHREDDERS

Model Jr-B, Feeding Hopper size 15 x 15 in., with 15 shredding hlades, and 4 stationary hlades. Price without motor, $110.00, with ½ h.p. electric motor, $160.00, with 1½ h.p. Gas engine with clutch $160.00.

Model 1B-4, Feeder hopper size 16 x 18 in., shredding rotor assemhly 8½ in. wide, with 4 shredding hlades on each har, with 3 stationary hlades. Price without motor, $145.00; with ¾ H.P. electric motor, $220.00, with 2 H.P. Gas Engine and clutch, $215.00.

Model 1B-6, same as model 1B-4, except that it has 6 shredding hlades ou each bar, with 5 stationary blades. Price without motor, $155.00; with ¾ H.P. electric motor, $230.00; with 2 H.P. Gas Engine 4 cycle, heavy duty complete with clutch $225.00.

Model 2B-6, Feeder hopper size 18 x 20 in., shredding rotor assemhly 10½ in. wide, has 6 shredding hlades on each har, with 5 stationary hlades. Price without motor, $175.00; with ¾ H.P. electric motor, $250.00; with 1 H.P. electric motor, $272.00; with 2 H.P. Gas Engine 4 cycle heavy duty, complete with clutch $245.00.

Model 2B-8, same as model 2B-6, except that it has 8 shredding hlades on each har, with 7 stationary hlades. Price without motor, $185.00; with 1 H.P. electric motor, $282.00; with 2 H.P. Gas Engine and clutch, $255.00.

Screening Attachments:

Type B Screener for Model 1B-4 and 1B-6	$57.50
Type B Screener for Models 2B-6 and 2B-8.	68.50
Rubher-tired wheels for use with all models, per set	22.00

BUYERS: Give this Check List the "Once Over" When Ordering

This is a list of items most commonly used and needed by Greenhouse operators during the catalog months of the year. A glance at the list will probably recall any needs you might have forgotten which would inconvenience you later. It will also be a suggestion aid as to the possibilities of filling any empty benches. Included are a few hints regarding varieties, time of blooming, and culture. All items are listed in our "Books for Florists," but this will give you a quick check for busy months. We are planning to print improvements on this in each book if it is of any value to you. We would appreciate hearing your ideas. Better keep this for references until the next issue.

ITEMS TO START IN AUGUST

FLOWER SEEDS

Antirrhinum (for cuttings)
Asters Giant Incurved (see culture)
Begonia pots and combinations
Bellis Spring bedding plants
Browallia (for cutting and pots)
Calceolaria pots and combinations
Calendula (for cutting)
Centaurea Cyanus (for cutting)
Crossandra (pot plant)
Cineraria pots and combinations
Cyclamen
Delphinium (sow for Spring plants)
Didiscus (for cutting)
Exacum Affine (pot plant)
Leptosyne (for cutting)
Lupinus Hartwegi (for cutting)
Marigolds (for cutting)
Mignonette (for cutting)
Myosotis both greenhouse cutting and spring plant varieties
Nasturtiums (for cutting)
Nemesia (cutting and combinations)
Pansy both greenhouse cutting and spring plant varieties
Primula Malacoides Baby Primrose
Primula Obconica
Schizanthus (pots, combinations)
Stocks
Statice Suworowii (cutting)
Sweet Peas (Early)

FLOWER SEEDS—Continued

Viola (Spring plants)

ALL PERENNIAL SEEDS
LAWN SEED
SUPPLIES

Agrimyacin
Bamboo Stakes
Bulb Bowls
Chelated Iron
Endrin
Fermate
Groganic
Hyacinth Glasses
Kelthane
Lindane
Parathion
Peat Pots
Plastic Pots
Pearl Chips
Pano-drench 4
Pot Labels
Soil Shredder
Sphagnum Moss
Tedion
Vapatone
V's Crab Grass Killer Sodar

BULBS

Freesias
Lilium Candidium
Valley Pips

Planted in August	Benching	Blooming	Culture
Antirrhinum	Oct.	Feb.–Aprif	Pinch Oct. 1 to 3 or 4 sets of leaves.
Asters	Oct.	March–April	Lighted.
Calceolaria	Oct.	Mothers Day	
Calendulas	Oct.	Feb.–March	42°–45° Piuch.
Calendulas	Oct.	Dec.–Feb.	48°–50°.
Cineraria	Oct.	Feb.–March	Do not pinch.
Cyclamen	Aug.	Nov.–Feb.	55°–60° for germination.
Didiscus	Oct. 1	Feb.–April	Do not pinch. Grow cool.
Leptosyne	Oct.	Jan.–May	Lighted.
Marigolds (Winter flwg.)	Sept. 15	Nov.–Jan.	
Mignonette	Oct.	Dec.–March	Do not pinch. Disbud. Grow cool.
Nemesia	Oct.	Oct.–Feb.	Medium heavy poor soil. 50°.
Pansies	Nov. 1	Dec.–March	Lighted.
Primula Malacoides	Oct.	March & later	
Schizanthus	Oct.	Christmas	Pinch until Oct. 15.
Statice (cutting)	Dec.	Feb.	
Stocks	Oct.	Jan. 15–Feb. 15	Grow below 50° for setting buds.
Stocks	Oct. 15	Jan. 20 on	Lighted. Grow below 50° for setting buds.
Sweet Peas	Aug.	Dec.	Run rows N. & S. for winter blooms. Use sterilized soil low nitrogen. Avoid watering in dark weather to prevent buds dropping. Suggest furrows between rows for irrigation to avoid getting water on plants and fertilizing.
Freesia (bulbs)	Aug.	Dec.–Jao.	
Lilium Giganteum	Aug. 1	Oct. 25–Nov. 10	Start 50° until 4 in. Grow 70°–80°.
Lilium Giganteum	Aug. 15	Nov. 10–30	Start 50° until 4 in. Grow 70°–80°.

NURSERY

Hardy German Iris in field

ITEMS TO START IN SEPTEMBER

FLOWER SEEDS

Aloe Variegata (pot plant)
Antirrhinum (for cutting)
Begonia (pots and combination)
Browallia (for cutting)
Calceolaria (pots and combinations)
Calendula (for cutting)
Centaurea Cyanus (for cutting)
Chrysanthemum (A) (for cutting)
Cineraria (pots and combinations)
Clarkia (for cutting)
Cynoglossum (Chinese Forget-me-not)
Didiscus Coeruleus Imp. (for cutting)
Godetia (for cutting)
Gypsophila (A) (for cutting)
Larkspur (A) (for cutting)
Fuchsia (from seed for pots)
Lupinus (A) (for cutting)
Marigolds (for cutting)
Matricaria (Feverfew) (see culture)
Mignonette (for cutting)
Nemesia (cutting and combination)
Pansy
Primula Mafacoides (Baby Primrose)
Salpiglossis (for cutting)
Schizanthus (combination and pots)
Stocks
Streptocarpus (for Spring pot plant)
Sweet Peas (Early)
Vinca Rosea (plants)

BULBS

Anemone
Callas Aetheopica
Crocus
Display Paper Whites
Display Tulips
Freesias
Hyacinths
Iris
Ixias
Lilium Candidium
Muscari
Narcissus
Paper Whites
Ranunculus
Scillas
Snowdrops
Soleil D'or
ulips

ITEMS TO START IN SEPTEMBER—Continued

GREENHOUSE

Azaleas
Cinerarias 2¼"
Foliage Plants
Lantana R.C.
Primula Erickson 2¼"
Geraniums 2¼" & R.C.

SUPPLIES

Bone & Blood
Loma
Jardiniere
Peat Moss
Raffia

SUPPLIES—Continued

Bombs Parathion, Tepp and Hetp
Fufex and Plantfume 103 Fumigant
Hyacinth Glasses
Bulb Bowls
Pearl Chips
Cut Wire
Endrin
Florist Foil

NURSERY

Peonies in field
Hardy German Iris in field

Planted in Sept.	Benching	Blooming	Culture
Antirrhinum	Nov. 1	May–June	Pinch back to 3 or 4 sets of leaves.
Calendulas	Oct.	Feb.–March	42°–45° Pinch.
Calendulas	Oct.	Dec.–Feb.	48°–50° Pinch.
Centaurea Cyanus	Nov. 15	Mar. 15–later	Lighted.
Chrysanthemums (A)	Nov. 1	March 1 later	Lighted.
Chrysanthemums (A)	Nov. 15	April 15 on	Lighted.
Cineraria	Sept.	April–May	Do not pinch.
Cynoglossum		March–April	Shallow bench 45°.
Didiscus	Nov. 15	April–May	Lighted.
Godetia	Oct. 15	Jan.	Shallow bench, one pinch
Larkspur	Dec.	April–May	50°.
Lupinus	Sept. 10	Jan.–Feb.	
Marigolds	Sept. 20	Oct.–Nov.	Restricted container, dry side. Do not pinch.
Matricaria	Nov. 15	April–May	Lighted.
Mignonette	Nov.	Jan. 15–April	Do not pinch. Disbud. Sow several seeds 2" pot
Nemesia	Oct.	Feb.	Medium heavy poor soil. 50°
Pansies	Nov. 1	Dec.–March	Lighted.
Schizanthus	Nov.	Jan.–Feb.	One pinch.
Stocks	Oct. 22	Feb. 1	
Stocks	Oct. 15	Jan. 20 on	Lighted.
Sweet Peas (Early)	Sept.	Dec.–March	See August Culture.
Lantana cuttings	Sept.	May	Pinch Jan. or Feb.
Marguerites (Chry. Frutescens)	Nov.–Dec.	Feb.–June	One pinch.
Freesia bulbs	Sept.	Jan.–Feb.	
Anemones Bulbs	Sept.	Jan.–March	
Ixias	Sept.	Feb. & later	
Lilium Giganteum C.S.	Sept. 1	Dec. 1-15	Start 50° until 4 in. Grow 70°–85°.
Lilium Giganteum C.S.	Sept. 15	Dec. 15–30	Start 50° until 4 in. Grow 70°–85°.
Lilium Creole (New Crop)	Sept. 2f	Nov. 25–Dec. 15	Given plenty of space can grow cool 50°–60°

ITEMS TO START IN OCTOBER

FLOWER SEEDS

Antirrhinum (for cutting)
Begonia (pots and combination)
Calendula (for cutting)
Candytuft (for cutting)
Centaurea Cyanus (Cornflower)
Chrysanthemum (A) (for cutting)
Cineraria (combination)
Clarkia (for cutting)
Didiscus Coeruleus Imp. (for cutting)
Gypsophila (A) (for cutting)
Larkspur (A) (for cutting)
Lilium Formosanum Gt. Pure White
Lupinus (A) (for cutting)
Matricaria (Feverfew)
Nemesia (cutting and combinations)
Petunia (All Double for Easter)
Salpiglossis (cutting)
Schizanthus (combination and pots)
Shamrock
Statice Suworowii
Stocks (for cutting)
Sweet Peas (Cuthbertson and Early Spencer)
Torenia (plants)
Vinca Rosea (plants)
Wallflower Dbl. Early Wonder (B)

BULBS

Anemone
Calla Lilies (white)
Crocus
Freesias
Hardy Lilies
Hyacinths
Iris
Lilium Croft } See page 2 for culture
Lilium Estate }

BULBS—Continued

Lilium Erabu
Lilium Giganteum
Muscari (Grown in Flats for cut)
Narcissus
Ornithogalum Arabicum
Paper Whites
Ranunculus
Scillas
Snowdrops
Spireas
Tulips
Valley Pips

GREENHOUSE

Ageratum R.C.
Azaleas
Boston Yellow Daisy R.C.
Foliage Plants
Hydrangeas
Geraniums 2¼" or R.C.
Primula 2¼"

NURSERY

Peonies in field

SUPPLIES

Agrimyacin
Bombs-Parathion, Tepp and Hetp
Groganic
Jardiniere
Loma
Crepe Paper
Cut Wire
Florist Foil
Peat Pots
Plastic Pots
Ribbons
Tedion

Planted in October	Benching	Blooming	Culture
Calendulas	Dec. 1	March & later	42°–45° Pinch.
Chrysanthemums (A)	Dec. 1	April–June	Pinch Dec. 20.
Larkspur	Jan.	Late May	50°.
Lilium Formosanum (Giant Pure White)		July–Sept.	Pot seedlings in 2¼ in. pots when large enough to handle and plant out in May.
Statice Suworowii		Feb.–May	Shallow light soil 45°.
Stocks	Dec. 1	April on	40°–45°.
Sweet Peas	Oct.	Feb.–May	See August culture.
Wedgewood Iris	Late Oct.	Jan.–Feb.	Use precooled bulbs for late Dec. bloom'g
Imperator Iris	Late Oct.	Feb.–March	
Lilium Giganteum (New)	Oct. 1	Jan. 1–15	Start 50° until 4 in. Grow 65°–80°.
Lilium Giganteum (New)	Oct. 15	Jan. 15–30	Start 50° until 4 in. Grow 65°–80°.
Lilium Creole (New Crop)	Oct. 1	Dec. 15	Give plenty of space can grow cool 50°–70°
Hardy Lilies	See January culture.		

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ITEMS TO START IN NOVEMBER

Acroclinium (for cutting)
Ageratum (for spring plants)
Antirrhinum (for cutting)
Begonias pots and combinations
Calendula (cutting)
Candytuft (for cutting)
Centaurea Cyanus (for cutting)
Cineraria (combination)
Clarkia (for cutting)
Cuphea (for spring plants)
Didiscus Coeruleus Imp. (for cutting)
Gypsophila (for cutting)
Larkspur (A) (cutting)
Lilium Formosanum
Lupinus (A) (for cutting)
Matricaria (for cutting)
Petunia All Double (Sow now for Mother's Day, 4-5" pots)
Salpiglossis (cutting)
Schizanthus (for combinations)
Shamrock
Statice Russian (for cuttings)
Stocks
Sweet Peas (Cuthbertson and Early Spencers)
Vinca Rosea (plants)

GREENHOUSE

Ageratum R.C.
Azaleas
Calceolaria 2¼"
Foliage Plants
Fuchsia 2¼"
Geraniums 2¼" or R. C.
Hydrangeas
Lantana 2¼"

BULBS

Crocus
Hardy Lilies
Hyacinths
Lilium Croft Best Easter Pot Lily
Lilium Erabu
Lilium Giganteum
Muscari (for cut or pots)
Narcissus
Ornithogalum Arabicum
Paper Whites
Scillas
Snowdrops
Tulips
Valley Pips

SUPPLIES

Bamboo Stakes
Bombs-Parathion, Tepp & Hetp
Bouquet Green
Chip Mats
Crepe Paper
Chelated Iron
Florist Foil
Hygro
Jardiniere
Kelthane
Napthalene
Pano-drench 4
Peat Pots
Plastic Pots
Ribbons
Sulphate of Iron
Tinsel Ribbon

Planted in November	Benching	Blooming	Culture
Antirrhinum	Jan. 15	March-June	Pinch Jan. 1 to 3 or 4 sets of leaves.
Calendulas	Jan.	April-May	42°-45° Pinch.
Gypsophila	Dec. 1	March	Lighted.
Larkspur	Jan.	April-May	
Lilium Formosanum			See October culture.
Stocks	Jan.	April-May	Grow below 50°.
Sweet Peas	Nov.	March-May	See August culture.
Lilium Croft			See page 3.
Lilium Giganteum N.C.		Easter	Start 50° until 4 in. Grow 65°-75°.
Lilium Creole	Nov.	Jan.-Feb.	Give plenty of space can grow cool 50°-70°
Polyanthus Roses		Easter	Pot 15 weeks before Easter for grow'g at 60°
Polyanthus Roses		Mother's Day	Pot 13 weeks before Mother's Day for growing at 60°. (Buds should show 6 weeks before and color 2 weeks before date wanted).
Lilium Erabu New Crop	Nov. 1	Feb. 1-15	
Lilium Erabu New Crop	Nov. 15	Feb. 15-28	

ITEMS TO START IN DECEMBER

FLOWER SEEDS

Ageratum (for spring plants)
Aloe Variegata (for pots)
Asparagus Sprengeri
Asparagus Plumosus Nanus
Asters (for Greenhouse forcing)
Begonias Fibrous (for spring plants)
Begonia Tuberous (for pot plants)
Calendula (for cutting)
Candytuft (for cutting)
Centaurea Cyanus (for cutting)
Chrysanthemum (A) (for cutting)
Clarkia (for cutting)
Coleus' (pot plant)
Dracaena (for pots)
Gloxinia (pot plants)
Godetia (for cutting)
Gypsophila (for cutting)
Heliotrope (for pots)
Impatiens (for pots)
Larkspur (A) (for cutting)
Lobelia (spring plants)
Marigolds (for cutting)
Matricaria (Feverfew)
Nemesia (for cutting and combinations)
Pansies (spring plants)
Petunia All Double
Phlox (Dwarf sorts for combinations)
Salpiglossis (for cutting)
Scabiosa (for cutting)
Stocks (for cutting)
Sweet Peas (Cuthbertson & Early Spencers)

FLOWER SEEDS—Continued

Torenia (plants)
Venidium (for cutting)
Vinca Rosea (plants)

GREENHOUSE

Azaleas
Ageratum R.C.
Buddlia 2¼"
Fancy Leaf Caladiums
Foliage Plants
Geraniums 2¼" or R. C.
Polyanthus Roses

SUPPLIES

Prepared Wreaths
Peat Pots
Plastic Pots
Thermometers

BULBS

Amaryllis
Chinese Paper Whites
Gladiolus
Gloxinias
Hardy Lilies
Lilium Croft
Lilium Erabu
Lilium Estate
Lilium Giganteum
Paper Whitos
Soleil D'Or
Valley Pips

Planted in December	Benching	Blooming	Culture
Asters Queen Market	Feb. 1	April-May	Lighted Dec. 10 to flowering.
Asters Royal, Crego and American Branching	Feb. 1	May-June	Lighted Dec. 10 to flowering.
Calendula	Feb. 1	April-May	Pinched Feb. 15th.
Candytuft	Flatted late Jan.	May-June	Use poor soil, keep on dry side.
Centaurea Cyanus	Feb.	April & later	
Chrysanthemum(A)	Feb. 1	May-July	Pinched Feb. 15th.
Clarkia	Flatted late Jan.	May	Use poor soil, keep on dry side.
Feverfew (Matricaria)	Feb.	May-June	
Gloxinia (Seed)	Dec.-Jan.	August	60°-65°. Grow in shade.
Godetia	Flatted late Jan.	June	Use poor soil, keep on dry side.
Nemesia	Flatted late Jan	May	Use poor soil, keep on dry side.
Phlox	Dec	February on.	
Salpiglossis	Feb.	May-June	One pinch.
Scabiosa	Feb.	June	
Stocks	Feb. 1-15	Mother's Day	
Sweet Peas	Dec.	March-May	See August culture.
Venidium	Feb. 25	March-May	
Gladiolus	Dec. 15	May	Plant var. with primulinus blood as they do not come blind with early planting.
Lilium Creole	Dec.	March-April	Give plenty space can grow cool 50°-75°.
Lilium Giganteum N.C.	Dec. 1-15	For late Easter	Start 50° until 4 in. Grow 65°-75°.
Lilium Erabu	Dec. 1	March 1-15.	
Lilium Erabu	Dec. 15		
Lilium Regale	Dec. 1	Feb.	50° for ten days then 60°.
Lilium Rubrum	Dec.	April-May	
Lilium Album	Dec.	April-May	
Lilium Tigrinum	Dec.	April-May	
Lilium Auratum	Dec.	March-April	
Polyanthus Roses		Easter	See November Culture.
Polyanthus Roses		Mother's Day	See November Culture.

ITEMS TO START IN JANUARY

FLOWER SEEDS

Ageratum (for spring plants)
Aloe Variegata (for pot culture)
Antirrhinum (for cutting)
Asparagus Sprengeri
Plumosus Nanus
Balsam (Bush var.) (for combination)
Begonias Fibrous (spring plants)
Begonia Tuberous (for pot plants)
Browallia (for pot culture)
Calendulas (for cutting)
Candytuft (for cutting)
Carnation (Annual, for plants)
Centaurea Candidissima (Dusty Miller)
Gymnocarpa (Dusty Miller)
Cyanus (for cutting)
Chrysanthemum (Annual)
Cineraria Maritima (Dusty Miller)
Clarkia (for cutting)
Cobaea Scandens
Coleus
Crossandra Fine pot plant
Cuphea (for plants)
Dahlias Unwin (fine pot plants)
Dracaena Indivisa (for pot plants.
Exacum (pot plants)
Gloxinia (pot plants)
Gypsophila (for cutting)
Impatiens (Fine for shade)
Jacaranda (fine foliage pot plant)
Kalanchoe (for pot plants)
Larkspur (Annual, for cutting)
Leptosyne (for cutting)
Linaria (for combination)
Lobelias Plants and combinations
Lupins (Annual)
Marigolds Dwarf (for combination)
Matricaria Golden Ball Pots and bedding
Mimulus (for pot culture)
Nemesia (for combination)
Nierembergia Purple Robe Impr. (for pot culture)
Pansies Super Maple Leaf Giants Mixed Swiss Giants Master Blend (Finest color range, size, earliness)
Petunias All Double
Phlox Dwarf Varieties for Combinations)
Salpiglossis (for cutting)
Salvia (spring plants)
Schizanthus (Vaughan's Masterpiece for combinations)
Smilax
Solanum (Xmas Cherry or Pepper)
Stocks Column and Branching

FLOWER SEEDS—Continued

Strawberries (Baron Solemacher)
Sweet Peas (Early Spencer and Cuthbertson)
Torenia (for pot culture)
Verbena Dwarf (for combinations)
Vinca Rosea (plants)

GREENHOUSE

Azaleas
Ageratum R. C.
Carnation R. C.
Foliage Plants
Geraniums 2¼" or k. C.
Hydrangea R. C.
Cyclamen Seedlings
Fancy Leaved Caladiums
Lantana 2¼"
Polyanthus Roses

BULBS

Amaryllis
Begonias (Tuberous Rooted)
Gladiolus
Gloxinias (Tuberous Rooted)
Hardy Lilies
Lilium Croft
Lilium Erabu
Lilium Giganteum
Tuberoses
Valley Pips

SUPPLIES

Aluminum Sulphate
Alumi-Pots
Bamboo Stakes
Bombs-Parathion, Tepp & Hetp
Formaldehyde Dust
Handy Seeder
Hormodin
Horn Shavings
Hose Couplings
Nico-Fume
Paper Pots
Peat Moss
Pot Labels
Peat Pots
Plastic Pots
Rootone
Transplantone
Vapatone

VEGETABLE SEED

Cabbage
Cauliflower
Celery
Egg Plant
Parsley
Pepper
Radish
Tomatoes

Planted in January	Benching	Blooming	Culture
Antirrhinum	March	April-June	Pinch February 15th.
Begonias (Seed)	Jan.	Aug.-Dec.	
Browallia	March	May-June	
Candytuft & Nemesia	Jan.	May-June	Sow directly in flats, bench.
Centaurea Cyanus	Feb.	April	One pinch.
Chrysanthemum(A)	March 1	May	
Clarkia	Jan.	April-May	Grow 2" or shallow flats. Poor soil.
Gloxinia	Jan.	Aug.-Sept.	Grow under partial shade.
Gypsophila	Jan. & every two weeks	March 15	Sow directly in flat or bench.
Kalanchoe 60°-65°	March	Dec. 1-15	Shade 3 hrs. Aug. 15-Oct. 1. 5-8 P.M.
Kalanchoe 60°-65°	March	Christmas	Shade 3 hrs. Sept. 1-Oct. 20. 5-8 P.M.
Leptosyne	March 1	April-May	
Lupinus	Jan.	April	
Petunias	Jan.	April-June	
Salvia	Feb.	July-Aug.	Keep bushy.
Solanum	March	Berried Dec.	Pinch March.
Stocks	March	Memorial Day	Grow below 50°.
Sweet Peas	Jan.	April-June	See August culture.
Torenia	Feb.	June-July	Pinch March.
Hydrangea (cuttings)	Feb.-April	Easter-June	Do not pinch later than July 1.
Gladiolus	Jan. 15	May	
Lilium Giganteum	Jan. 1	April 15-30	Start 50° until 4 in. Grow 65°-75°.
Lilium Giganteum	Jan. 15	April 25 to May 5	Start 50° until 4 in. Grow 65°-75°.
Lilium Erabu	55°-60°	Better cool grower than Giganteum.	
Lilium Rubrum	Flowers about 5½ months from date of planting.		
Lilium Album	Flowers about 5½ months from date of planting.		
Lilium Tigrinum	Flowers about 5½ months from date of planting.		
LiliumAuratum	Flowers about 5 months from date of planting.		

To VAUGHAN'S SEED COMPANY

601 W. Jackson Blvd., Chicago 6, Ill. — Phone FRanklin 2-7560

85 White St., New York 13, N. Y. — Phone BArclay 7-4900

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AMOUNT ENCLOSED $..... When to Ship..... Always write letters on a separate sheet from your order.

☐ **CHARGE.** Check if you have a charge account. If you wish to have this purchase charged and no account has been arranged, send 3 trade references with addresses and allow about one week to check them.

NEW DISCOUNTS ON FLOWER AND VEGETABLE SEEDS	
CASH — UNDER $5.00	net
$ 5.00 to $ 25.00,	5%
25.00 to 100.00,	8%
100.00 to 150.00,	10%
150.00 to 200.00,	12%
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CHARGE — UNDER $5.00	net
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200.00 to 300.00,	13%

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	If you need additional order blanks, please check here ☐			
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APPROXIMATE DOMESTIC PARCEL POST RATES
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Fifth Zone within 600 to 1000 miles	26c	10c
Sixth Zone within 1000 to 1400 miles	28c	12c
Seventh Zone within 1400 to 1800 miles	30c	15c
Eighth Zone all over 1800 miles	32c	18c

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Top Merion Lawn Still Costs Less

THREE CHAMPION GRASSES SELECTED by

While prices have risen for seed of Merion variety of Kentucky blue grass, the advantage of economy over less desirable grasses still remains for Vaughan's Merion Formula Master Blend.

In this combination of top quality and low cost, Merion is combined with two other improved grasses discovered or bred by turf researchers. At a retail cost of $2.25, each pound will cover 750 to 1,000 sq. ft. It would take 2 to 3 pounds of a top grade Kentucky blue grass mixture costing $2.90 to $4.35 to cover an equal area.

Delta Kentucky blue grass, discovered in Canada, and Pennlawn Fescue, hybrid variety bred at Pennsylvania State University, are included in the Master Blend of Merion Formula. The first starts growing earlier than Merion, providing early cover; the second insures that shady places and sandy soil will not be thinly covered, but as thick and green and the sunniest spots.

With its unsurpassed record for beauty on private lawns, endurance on playing fields and economy of original cost and upkeep, you cannot go wrong in recommending the combination of Merion with the two companion grasses which scientific research has developed and recommends.

Bags included on all grass seed grass for net. All grass seed prices net cash. F.O.B. Chicago and New York and subject to change without notice.

LAWN MIXTURES

SPECIAL MIXTURES

If interested in cheaper mixtures of formulas other than we list let us know and we will be glad to quote.

VAUGHAN'S PARKS FORMULA

	Retail Price	Packed	Cost
1 lb. ctn.	$ 1.30	Case 25/1 lb.	$19.25
3 lb. ctn.	3.85	Case 16/3 lb.	36.00
5 lb. bag	6.35	Bale 10/5 lb.	36.50
10 lb. bag	12.50	Bale 2/10 lb.	14.40
25 lb. bag	30.75	Bag 1/25 lb.	17.75
50 lb. bag	61.50	Bag 1/50 lb.	35.00
100 lb. bag	119.00	Bag 1/100 lb.	69.00

VAUGHAN'S COLUMBIAN (SHADYPLACE FORMULA)

Especially Adapted for Medium Shade and Sandy Soils

1 lb. ctn.	$ 1.20	Case 25/1 lb.	$17.75
3 lb. ctn.	3.55	Case 16/3 lb.	33.12
5 lb. bag	5.85	Bale 10/5 lb.	33.50
10 lb. bag	11.50	Bale 2/10 lb.	13.20
25 lb. bag	28.25	Bag 1/25 lb.	16.25
50 lb. bag	55.50	Bag 1/50 lb.	32.00
100 lb. bag	109.00	Bag 1/100 lb.	63.00

VAUGHAN'S DENSE SHADE FORMULA

Composed of grasses most suited for growing in heavily shaded situations. Is also satisfactory in moderate shade. This is an exceptionally fine shade mixture and now includes the splendid new creeping red fescue. Grass grown in the shade requires extra care. Ask for Lawn Grass pamphlet for directions.

Prices Same as Columbian

VAUGHAN'S EXCEL LAWN MIXTURE

A Good Mixture for Quick Results

1 lb. ctn.	$ 0.80	Case 25/1 lb.	$12.00
3 lb. ctn.	2.35	Case 16/3 lb.	22.08
5 lb. bag	3.85	Bale 10/5 lb.	22.00
10 lb. bag	7.50	Bale 2/10 lb.	8.60
25 lb. bag	18.35	Bag 1/25 lb.	10.50
50 lb. bag	35.50	Bag 1/50 lb.	20.50
100 lb. bag	69.00	Bag 1/100 lb.	40.00

BROKEN CASES ON ALL MIXTURES 2c PER LB. HIGHER

MERION FORMULA— 100 PERENNIAL GRASSES

Contains over 900,000 seeds of pure Merion strain of Kentucky Blue Grass plus Fescue, Highland Bent and Red Top.

	Retail	Packed	Cost
1 lb. ctns.	$ 2.40	Case 25/1 lb.	$36.25
3 lb. ctns.	7.15	Case 16/3 lb.	68.16
5 lb. bag	11.75	Bale 10/5 lb.	70.00
10 lb. bag	23.00	Bale 2/10 lb.	27.60
25 lb. bag	56.00	Bag 1/25 lb.	34.50
50 lb. bag	111.00	Bag 1/50 lb.	68.00
100 lb. bag	220.00	Bag 1/100 lb.	135.00

Broken Cases 2c per lb. higher

Produces thicker turf, stays greener all summer and stands closest mowing. 1 lb. covers 750 sq. ft., 3 times as much as standard blue grass mixtures, thus being no more expensive to sow an equal area.

MERION STRAIGHT

	Retail	Packed	Cost
1 lb. ctns.	$ 2.95	Case 25/1 lb.	$ 48.75
3 lb. ctns.	8.75	Case 16/3 lb.	92.16
5 lb. bag	14.50	Bale 10/5 lb.	95.00
10 lb. bag	28.50	Bale 2/10 lb.	37.60
25 lb. bag	70.00	Bag 1/25 lb.	46.75
50 lb. bag	138.00	Bag 1/50 lb.	93.00
100 lb. bag	275.00	Bag 1/100 lb.	185.00

Broken cases 2c per lb. higher

FANCY GRASSES

Orders Booked at the Lowest Price an Day Received

We carry a full line of native imported grass seeds and would be pleased to have your inquiries. We can quote to advantage. We buy direct from growers and are recleaners.

	1 to 5 Bags	5 to 10 Bags
KENTUCKY BLUE GRASS—Standard 80%	$42.00	$41.00
Fancy—85%	44.00	43.00
Extra Fancy—90%	49.00	48.00
Refined—98%	54.00	53.00
DELTA STRAIN OF KENTUCKY BLUE GRASS	70.00	69.00
MERION STRAIN OF KENTUCKY BLUE GRASS	185.00	Ask
RED TOP—Fancy—Purity 92%	34.00	33.00
Extra Fancy—Purity 95%	36.00	35.00
Refined—Purity 97% to 98%	39.00	38.00
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RYE GRASS—Domestic	14.00	14.50
PERENNIAL RYE GRASS	15.50	16.00
CHEWINGS FESCUE	46.00	45.00
DOMESTIC CREEPING RED FESCUE	46.00	45.00
CANADIAN CREEPING RED FESCUE	43.00	42.00
ASTORIA BENT—Blue Tag	55.00	54.00
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ALTA FESCUE OR KY 31	19.00	18.50
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SMALL SUNFLOWER	15.00	14.50
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Ask for our monthly price list on Grass and Field Seeds. Bags included on all grass seed gross for net. All grass seed prices net cash. F.O.B. Chicago or New York or Ovid, Michigan and subject to change without notice. Lawn Mixtures prepaid or freight allowed on orders of $200 or more within 400 miles of Chicago, Ill., Ovid, Michigan or New York, N.Y.

Ask for quotations on grasses not listed

Due to unsettled conditions at the time this goes to press, prices are only approximate and subject to change.

Quick Profits In Modern Packaged Bulbs

These full-color window packages sell themselves. Shop tests show that gardeners will pick them off the counter even when they had no idea of buying when they came in. Display them and double your bulb sales as well as your profits.

Best of all, you have no losses from skinned, damaged bulbs, no waste from picked-over open basket displays. Varieties can be kept separate, no complaints of accidental mixtures. Your customer gets a better bulb, protected from drying-out and mechanical injury.

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Make your own assortment—one variety or as many as 24 different varieties in each carton.

Our suggested retail price $1.00.

Make Your Own Selection

Packaged 24 Boxes per Carton

	Size	Bulbs per Box	Price per Box
DARWIN TULIPS:			
City of Haarlem	11-12	10	$0.50
Eclipse	11-12	10	.50
Farncombe Sanders	11-12	12	.50
Margeaux	11-12	10	.50
Northern Queen	11-12	10	.50
Princess Elizabeth	11-12	12	.50
Prunus	11-12	12	.50
Phillip Snowden	11-12	12	.50
Queen of the Night	11-12	12	.50
Scotch Lassie	11-12	10	.50
The Bishop	11-12	10	.50
Zwanenburg	11-12	12	.50
Mixed	11-12	12	.50
COTTAGE TULIPS:			
Golden Harvest	11-12	12	.50
Princess Margaret Rose	11-12	12	.50
BREEDER TULIPS:			
Dillenburg	11-12	12	.50
George Grappe	11-12	10	.50
SPECIE TULIPS:			
Fosteriana Red Emperor	11-12	8	.50
PARROT TULIPS:			
Blue Parrot	11-12	10	$0.50
Fantasy	11-12	10	.50
Sunshine	11-12	10	.50
HYACINTHS:			
City of Haarlem	15-16	6	.50
Grand Maitre	15-16	6	.50
La Victoire	15-16	6	.50
L'Innocence	15-16	6	.50
Pink Pearl	15-16	6	.50
Mixed	15-16	6	.50
CROCUS—Mixed	8-9	25	.50
MUSCARI—Armeniacum			
Improved Heavenly Blue	8-9	25	.50
SCILLAS—Siberica	7-8	20	.50
NARCISSUS:			
Dick Wellband (Large Cupped)	DN 2	8	.50
King Alfred	DN 2	8	.50
Scarlet Elegance (Incomparabilis)	DN 2	8	.50
Texas (Double)	DN 2	8	.50
Mixed	DN 2	12	.50
IRIS	6-7	15	.50

Mixed Darwin Tulips 11-12 Ctm. packed 25 to display box. Price **.95** can be sold for $1.95.